RAISING CAPITAL SEMINAR SERIES







RAISING CAPITAL SEMINAR SERIES Module 3: The Proforma: Building a Strong Financial Model

April 2021









DSMpartnership.com

Today's presenter

Mike Colwell – Greater Des Moines Partnership

As executive director of entrepreneurial initiatives at the Greater Des Moines Partnership, Mike is directly responsible for the Partnership entrepreneurial strategies and execution. In his role Mike spends his days coaching, mentoring, consulting, networking and generally asking very tough questions, the kinds of questions most entrepreneurs would rather he did not ask. Focusing on high-growth-potential companies, he works with businesses ranging from a single person with an idea to \$10 million companies looking to grow to \$25 million. Mike assists with business strategy, business planning, business plan execution and business model development.

Mike is co-manager of Plains Angels, a Des Moines based group of angel investors. With more than 40 members, Plains Angels has been in existence since 2013 and has been active investing in many local and regional startup companies. Mike and his wife Beth are active angel investors with over 35 investments to-date. Mike has had a key role in the formation of the Global Insurance Accelerator and the Iowa AgriTech Accelerator and serves on the board of both organizations.





A joint collaboration









DSMpartnership.com

WELCOME

- Thank you for joining us!
- Logistics:
 - Mute your microphone
 - Turn on your video!
 - Open the chat window and use this for questions
- A recording of this will be available





AGENDA



- Module 1: The Fundraising Journey: Steps to Raising Capital
- Module 2: The Pitch: Telling Your Story
- Module 3: The Proforma: Building a Strong Financial Model

- Module 4: The Cap Table: Who Owns Your Company
- Module 5: The Term Sheet: The Details Matter





DSMpartnership.com



Financial Models for Startups

Mike Colwell

mcolwell@dsmpartnership.com





DSMpartnership.com

Financial Models for Startups

Mike Colwell - mike@colwellfamily.net

Welcome

Introductions

- Goals:
 - Familiarize you with financial models for startup companies
 - Provide overview of StartupModels financial model
 - Available for download at <u>https://www.startupmodels.com</u>
 - Answer your questions



The Financial Documents

What Financial Documents Do You Need?

Profit and loss statement (P&L)

- Cash flow statement
- Balance sheet (sometimes)

Why Do You Need These Statements?

- Does your company or will your company make money?
- Does your company have enough cash to survive and thrive?
 - Long product development cycles
 - Long sell cycles
 - Large inventory requirements
- What is the company worth today and in the future?

Investors Want a Return on Investment

Banks: bankable loan with low risk of loss

- Equity investors: seek high growth company with 10x or better returns with acceptable higher risk
 - A \$500K investment for 10% of company with a 10x return (\$5M) equates to a \$50M sale
 - SaaS company with annual reoccurring revenue of \$7.2M at 7x valuation = \$50M value
 - Exit must take place in 5 to 7 years

What is a P&L?

Profit and loss statement (P&L)

Revenue	\$10,000
Cost of revenue	(\$4,000)
Gross margin	\$6,000
Operating expenses	<u>(\$4,500)</u>
Profit	\$1,500

P&L Forecast

- Invest the time and effort to develop a realistic and detailed forecast
- Grounded in realistic assumptions
- First 12 -18 months critical and must be supported
- 3-year forecast is normally sufficient
- 5-year projections are often unrealistic
- Some investors want this to see your aspirations

Example P&L Statement

Report Year 2019

		ClinicNote P&L Forecast for the year 2019								19						
	Revenue Re	Revenue Recognition Based							1082-1082-81290179-0-10126824428 Progenities Engenities Experimentation American American							
		Jan		Feb		Mar		Apr		May		Jun		Jul		Aug
Revenue																
Subscription Software Revenue	\$	1,092	\$	2,561	\$	4,644	\$	8,069	\$	12,431	\$	19,396	\$	24,576	\$	29,248
Product Revenue	\$	-	\$	10 0	\$		\$	-	\$	-	\$	-	\$		\$	
Professional Services Revenue	\$		\$	()	\$	(-)	\$	-	\$	-	\$	14	\$	84	\$	12
Total Revenue	\$	1,092	\$	2,561	\$	4,644	\$	8,069	\$	12,431	\$	19,396	\$	24,576	\$	29,248
Cost of Goods																
Third Party / Transaction Fees	\$	63	\$	136	\$	271	\$	449	\$	696	\$	1,241	\$	1,269	\$	1,285
Hosting Expenses	\$	75	\$	75	\$	75	\$	75	\$	75	\$	75	\$	75	\$	75
Customer Support	\$	-	\$	0.40	\$		\$	-	\$	-	\$	2,603	\$	2,603	\$	2,603
Internal Engineering Support	\$	20	\$	1027	\$	-	\$	121	\$	-	\$	-	\$	-	\$	-
Professional Services	\$	-	\$	-	\$	-	\$	-	\$	-	\$		\$	-	\$	
Cost of Product Sales	\$	-	\$	10 4 0	\$	-	\$	-	\$		\$	-	\$		\$	
Total Cost of Goods	\$	138	\$	211	\$	346	\$	524	\$	771	\$	3,919	\$	3,947	\$	3,963
Gross Profit	\$	954	\$	2,350	\$	4,298	\$	7,546	\$	11,660	\$	15,478	\$	20,629	\$	25,285
Gross Margin		87.4%		91.8%		92.6%		93.5%		93.8%		79.8%		83.9%		86.4%
Operating expenses																
Total Sales expense	\$	4,965	\$	4,965	\$	4,965	\$	4,965	\$	4,965	\$	6,701	\$	6,701	\$	6,701
Marketing expense	\$	200	\$	200	\$	200	\$	200	\$	200	\$	2,450	\$	2,450	\$	2,450
Product Development	\$	-	\$	10,000	\$	10,000	\$	10,000	\$	10,000	\$	10,000	\$	10,000	\$	10,000
General and Administrative	\$	5,210	\$	7,110	\$	1,310	\$	810	\$	810	\$	8,100	\$	900	\$	1,900
Total Operating expenses	\$	10,375	\$	22,275	\$	16,475	\$	15,975	\$	15,975	\$	27,251	\$	20,051	\$	21,051
Operating Income	\$	(9,421)	\$	(19,926)	\$	(12,177)	\$	(8,430)	\$	(4,316)	\$	(11,773)	\$	578	\$	4,234
Interest Expense	\$	-	\$	-	\$	-	\$	-	\$	-	\$		\$	12	\$	
Other Income	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$		\$	-
Net Income before Taxes	\$	(9,421)	\$	(19,926)	\$	(12,177)	\$	(8,430)	\$	(4,316)	\$	(11,773)	\$	578	\$	4,234
Full Time Headcount		2		2		2		2		2		3		3		3
Contract Headcount		0		0		0		0		0		0		0		0

 $\cdots >$

10



Example Cash Flow Statement

Report Year 2019 Revenue Recognition Based

ClinicNote Cash Flow Forecast for the year 2019

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	
Starting Cash	10,000	201,412	182,914	180,257	182,784	191,831	206,177	228,460	
Revenue Received	1,650	3,578	13,619	18,303	24,823	39,146	39,884	40,315	
Cost of Goods	63	-	(i=)	(i=)	20 C		-		
Operating Expenses	10,175	22,075	16,275	15,775	15,775	24,801	17,601	18,601	
Other Income	-	-	87 - 6	8.78	0.53		-	-	
New Investment	200,000	<u></u>	0.20	(2 12 3)	847	141	141	64	
Ending Cash Balance	201,412	182,914	180,257	182,784	191,831	206,177	228,460	250,174	
Change in Cash	191,412	(18,498)	(2,657)	2,527	9,047	14,345	22,283	21,714	

• •>

Cash Flow Management

- Good business operators manage to cash flow
- Know your cash requirements
- Spend wisely, be thrifty
- Delay hiring, be creative
- Reduce salaries or take no salary
- Know your burn rate

Always have a detailed cash flow forecast at least 180 days in length. Manage your cash carefully.

What is a Balance Sheet?

 Balance sheet: financial statement that reports a company's assets, liabilities and shareholders' equity at a specific point in time

assets = liabilities + shareholder equity

- Assets = cash, inventory, property, equipment
- Liabilities = rent, wages, utilities, loans, taxes
- Shareholder equity = net of assets and liabilities
 - Not the same as valuation

See blog post in appendix: How to read a balance sheet

Financial Models vs. Accounting Statements

- Accounting statements are factual
 - Deal with past and present
- Financial models are forecasts
 - They are <u>always wrong!</u>
 - They are critical to planning your business
 - They are an ongoing requirement

See blogpost from Fred Wilson of Union Square Ventures: <u>The Financial Function</u>

Knowing your numbers

- Get comfortable with your financials know your numbers
- Be able to explain significant changes
 - Why does revenue go down in Q2?
 - Why does your cash dip next year in Q3?
- Don't pretend to know something you do not

To an investor, if you do not know your numbers, you do not know your business.

Summary: Financial Documents

- These documents matter
- Investors and bankers read these in detail
- An experienced investor can tell an amazing amount about your company by only looking at these documents
- Have an experienced mentor or advisor review these with you before presenting to others
- Don't pretend to know something you do not

The Financial Model

Building the Financial Model

There are five steps in building a financial model

- I- Revenue model (most of the work)
- 2 Product development expenses
- 3 Sales and marketing expenses
- 4 People expenses
- 5 General and operating expenses

Step One: The Revenue Model

The First Step – The Revenue Model

- The revenue model (part of your business model) drives the business and the expense structure
 - People
 - Marketing costs
 - Sales costs
- Where you should focus your attention
 - Physical product focus on cash cycle
 - Software / service company focus on sell cycle

A product vs. a Business

- Having a <u>viable</u> revenue model is the mark of a business, not just a product
 - Customers by name
 - Marketing plans with test evidence of effectiveness
- Products are a small part of a successful company
 - What makes Apple, Apple?

Sales Cycle

- The process from potential customer identification to money in hand and product / service delivered successfully
- Knowing the marketing and sales portion of the cycle is critical to building a financial model
 - How long from first call or email to a demonstration? What percentage will take the demo?
 - How long from demo to money in hand? What percentage will buy?
 - Will they keep buying?

Cash Cycle

- The amount of time from the point when you start spending money on a customer to when the customer pays you (cash in bank)
- Important in SaaS and <u>critical</u> in hardware companies
- Directly affects how much money you raise

Types of Revenue Models

- There are five common types of revenue models:
 - SaaS high volume
 - SaaS high value
 - Physical product / hardware
 - Mixed model (product and either service or SaaS)
 - Service business

SaaS Financial Models

SaaS Company Examples

ClinicNote, Inc.

- SaaS model high value, low volume
- Art of Peace
 - SaaS model high volume, low value

All financial information provided is fictional



CLOUD-BASED SOFTWARE FOR OUTPATIENT THERAPY



ClinicNote Revenue Model

Direct sale

- Universities Very specific market timing aligned with start of a semester
- Private Practices
- Indirect / assisted sale
 - Value added reseller
 - Referral / recommendation marketing
 - Not currently pursuing these channels
ClinicNote Direct Sale Revenue Model

Universities

- ACV (average contract value) = \$6,000
- Paid up front yearly
- No direct cost of sale
- Private practices
 - ACV = \$150 / Month or \$1,200 / year
 - Paid monthly and yearly heavy discount for yearly payment

ClinicNote University Sell Cycle

University sell cycle



This is a "quick sale". Some take one year or more

31

Financial Impact of University Direct Sales

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov DecProspect Demo:XCustomer commits:XContract Signed:XCash received:XRev \$ Recognized:\$500 \$500 \$500 \$500

Cash flow increases \$6,000 but only \$2,000 revenue recognized (\$6,000 / 12 = \$500) in fiscal year

32



This is the average private practice sale

Referral sale and value-added reseller will be similar timeframe

Financial Impact of Private Practice Sales (monthly)

Monthly payment negates need for revenue recognition

Financial Impact of Private Practice Sales (yearly)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Prospect Demo: Customer commits:			X X									
Cash received: Rev \$ Recognized:				\$1,20 \$100	0 \$100	\$100	\$100	\$100	\$100	\$100	\$100	\$100

Payment in April of \$1,200 cash but only \$900 In recognized revenue

Summary: ClinicNote Sell Cycle

- Everyone underestimates the sell cycle, most by a factor of 2 or 3
 - Sometimes the earliest deals are the fastest and later deals take longer and are harder to close
- Different customer types have different sell cycles
 - University large organization, process bound, slow!
 - Private practice very small organization (average 4 users), single decisionmaker, fast!

Art of Peace (fictitious company)

- Mobile app developer for those seeking peace in their lives
- Direct sale
 - **\$89.95**
 - App store on Google and Apple
 - Apple and Google take 30% of sales for app store fees



Financial Impact of Art of Peace Sales

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Purchase Qty	1	10	100						
Purchase :	\$90	\$900	\$9,00	0					
App Store Fee	\$27	\$270	\$2,70	00					
Co marketing Fee	\$11	\$110	\$1,10	00	• •	$\cdots >$	>		
Cash received:	\$52	\$520	\$5,2	00					
Total Cash	\$52	\$572	\$5,9	20					

Summary: Art of Peace

- Deceptively simple model
- Debate on revenue recognition requirement
- Live and die on renewals
- Marketing is the challenge
 - Driving user interest
 - Keeping high retention of users
 - Many apps are now one-time fees

Forecasting SaaS Revenue

Data Elements for High Value SaaS

- Customer Name
- Contract / Prospect
- Likelihood of close
- License Fee
- Renewal period in months
- Revenue Share percentage
- Commission percentage

- One time fee
- Cost of one-time fee
- Payment delay
- Credit card transaction?
- Sale month and year
- End of license month and year

Example – High Value SaaS

- Customer agrees to pilot then potential rollout of SaaS solution
- 30 day install, 90 day paid pilot, First site live in 6 months, 5 additional sites to follow over time
 - No fee for pilot install
 - \$10K fee 90 day pilot
 - First site \$100K per year first year then \$80K / year for additional sites. Install fee of \$10K per site
 - Follow-on sites \$80K per year plus \$10K install

Example – High Value SaaS

- Pilot \$10K recognized over 3 months from contract date
 100% confidence in sale
- First site \$100K recognized over 12 months from contract date plus 10K fee – 60% confidence
 - Confidence below 100% is <u>discounted proportionately</u>
- Separate forecast for each additional site, \$80K over 12 months plus \$10K one time – 50% confidence
- Critical issue: Reoccurring Revenue (MRR, ARR)
 - Every site has separate timing
 - One time install revenue is not counted
- Example in Excel sheet

Using the Model – High Value SaaS

	Contract , Prospect	Likeli-			Renewal	Revenue			Cost	t of						
	ract	hood of			Period in	Share	Commission	One Time	One	Time	Payment	Credit	Sale	Sale	End	End
Customer Name	¥	close	Lice	nse Fee	months	percentage	Percentage	Fee	Fee		delay	Card	Mo.	Yr.	Mo.	Yr.
Acme Inc - Pilot	С (\bigcirc	\$	10,000	3	0%	0%	\$-	\$	-	2	Ν	5	2021	7	2021
Acme Inc - 1st Site	Р	70%	\$	100,000	12	0%	0%	\$ 10,000	\$	5,000	2	Ν	9	2021	8	2022
Acme Inc - 2nd Site	P	50%	\$	80,000	12	0%	0%	\$ 10,000	\$	4,000	2	Ν	2	2022	1	2023
Acme Inc - 3rd Site	P/	50%	\$	80,000	12	0%	0%	\$ 10,000	\$	4,000	2	Ν	5	2022	4	2023
Acme Inc - 4th Site	P	50%	\$	80,000	12	0%	0%	\$ 10,000	\$	4,000	2	Ν	8	2022	7	2023
Acme Inc - 5th Site	/P	50%	\$	80,000	12	0%	0%	\$ 10,000	\$	4,000	2	Ν	11	2022	10	2023
Acme Inc - 6th Site	/ P	50%	\$	80,000	12	0%	0%	\$ 10,000	\$	4,000	2	Ν	2	2023	1	2024
Acme Inc - 1st Site	Р	50%	\$ (80,000	12	0%	0%	\$-	\$	-	2	Ν	9	2022	8	2023
Contracted revenue is 100			-	Il of 1s				Cost Goes c First c	lov	vn af	ter					

The Results P&L 2021 – High Value SaaS

Repor	rt Year 202	1																			
								G	IA March 2	021	Class P&L	For	ecast for th	ne y	ear 2021						
	Reven	nue Rec	ognition E	Base	d																
			Jan		Feb	Mar	Apr		May		Jun		Jul		Aug	Sep	Oct	Nov	Dec	Tota	al
evenue																					
Subscription Software Revenue		\$	-	\$	-	\$ -	\$ -	\$	3,333	\$	3,333	\$	3,333	\$	-	\$ 5,833	\$ 5,833	\$ 5,833	\$ 5,833	\$	33,333
Product Revenue		\$	-	\$	-	\$ -	\$ -	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$ -	\$	0
Professional Services Revenue		\$	-	\$	-	\$ -	\$ -	\$	-	\$	-	\$	-	\$	-	\$ 7,000	\$ -	\$ -	\$ -	\$	7,000
otal Revenue		\$	-	\$	-	\$ -	\$ -	\$	3,333	\$	3,333	\$	3,333	\$	-	\$ 12,833	\$ 5,833	\$ 5,833	\$ 5,833	\$	40,333
ost of Goods																					
Third Party / Transaction Fees		\$		\$	-	\$ -	\$ -	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$ -	\$	
Hosting Expenses		\$	-	\$	-	\$ -	\$ -	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$ -	\$	
Customer Support		\$	-	\$	-	\$ -	\$ -	\$	-	\$	-	\$		\$	-	\$ -	\$ -	\$ · -	\$ -	\$	
Internal Engineering Support		\$	-	\$	-	\$ -	\$ -	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$ -	\$	<u></u>
Professional Services		\$	-	\$	-	\$ 	\$ -	\$	-	\$	-	\$	-	\$	-	\$ 3,500	\$ -	\$ 	\$ -	\$	3,500
Cost of Product Sales		\$	-	\$	-	\$ -	\$ -	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$ -	\$	
otal Cost of Goods		\$	-	\$	-	\$ œ.	\$ -	\$	-	\$	-	\$	-	\$	-	\$ 3,500	\$ -	\$ œ.	\$ -	\$	3,500
iross Profit		\$	-	\$	-	\$ -	\$ -	\$	3,333	\$	3,333	\$	3,333	\$	-	\$ 9,333	\$ 5,833	\$ 5,833	\$ 5,833	\$	36,833
iross Margin			100.0%		100.0%	100.0%	100.0%		100.0%		100.0%		100.0%		100.0%	72.7%	100.0%	100.0%	100.0%		91.39

The Results P&L 2022 – High Value SaaS

		Report Year	2022	-																			
										G	IA March 2	021	Class P&L	For	ecast for th	ne y	ear 2022						
			Revenu	e Rec	ognition I	Based	ł																
					Jan		Feb	Mar	Apr		May		Jun		Jul		Aug	Sep	Oct	Nov	Dec	Tot	tal
Revenue	e																						
Su	ıbscripti	ion Software Revenue		\$	5,833	\$	9,167	\$ 9,167	\$ 9,167	\$	12,500	\$	12,500	\$	12,500	\$	15,833	\$ 13,333	\$ 13,333	\$ 16,667	\$ 16,667	\$	146,667
Pr	oduct R	levenue		\$	-	\$	-	\$ ~	\$ -	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$ -	\$	-
Pr	ofessior	nal Services Revenue		\$	-	\$	5,000	\$ -	\$ -	\$	5,000	\$	-	\$	-	\$	5,000	\$ -	\$ -	\$ 5,000	\$ -	\$	20,000
Total Re	venue			\$	5,833	\$	14,167	\$ 9,167	\$ 9,167	\$	17,500	\$	12,500	\$	12,500	\$	20,833	\$ 13,333	\$ 13,333	\$ 21,667	\$ 16,667	\$	166,667
Cost of (Goods																						
Th	nird Part	ty / Transaction Fees		\$	-	\$	-	\$ -	\$ -	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$ -	\$	-
Ho	osting Ex	xpenses		\$	-	\$	-	\$ 	\$ 	\$	-	\$	-	\$	-	\$		\$ -	\$ -	\$ -	\$ -	\$	-
Cu	ustomer	Support		\$	-	\$	-	\$ -	\$ -	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$ -	\$	-
Int	ternal Er	ngineering Support		\$	-	\$	-	\$ -	\$. .	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$ -	\$	-
Pr	ofessior	nal Services		\$	-	\$	2,000	\$ -	\$ -	\$	2,000	\$	-	\$	-	\$	2,000	\$ -	\$ -	\$ 2,000	\$ -	\$	8,000
Co	ost of Pr	oduct Sales		\$	-	\$	-	\$ -	\$ 1.7	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$ -	\$	-
Total Co	st of Go	oods		\$	-	\$	2,000	\$ -	\$ -	\$	2,000	\$	-	\$	-	\$	2,000	\$ -	\$ -	\$ 2,000	\$ -	\$	8,000
Gross Pr	ofit			\$	5,833	\$	12,167	\$ 9,167	\$ 9,167	\$	15,500	\$	12,500	\$	12,500	\$	18,833	\$ 13,333	\$ 13,333	\$ 19,667	\$ 16,667	\$	158,667
Gross M	largin				100.0%		85.9%	100.0%	100.0%		88.6%		100.0%		100.0%		90.4%	100.0%	100.0%	90.8%	100.0%		95.2%

Data Elements for High Volume SaaS

- Unit price per period
- Renewal rate
- Sales Commission
- Renewal period in months
- Average payment delay
- Percentage of revenue received via credit card

- Percent of sales with commission
- Monthly unit forecast
- Dependent revenue by license type
 - Percent of units sold
 - Fee value
 - Fee cost
 - Fee timing offset

Example – High Volume SaaS

- Selling B2B software on monthly or annual subscription
 - \$199/year or \$29/month with expected 80% renewal rate
 - 90% paid by credit card
 - Commission of 45% on yearly sales for 70% of transactions
 - No commission on monthly sales
 - Training module sold as add-on
 - \$89 one-time fee on 30% of yearly and 20% of monthly
 - No direct cost to training module as it is video based
- Example in Excel sheet

Using the Model – High Volume SaaS

License Sales	© 2021 Michael Colwell - all rights res	erved													
			Payment	t Delay (non d	redit card)	in months:	1								
				Percent of re	evenue via	credit card:	90%								
														202	1
			Renewal			Sales	Percent of								
	License Revenue		Period in	Unit Price /	Renewal	Comission	sales with								
License Name			months	period	Rate	rate	commission	Jan	Feb	Ma	r Ap	or M	ay Ju	in J	ul
Monthly licenses	Forecasted New Monthly licenses Uni	t Sales	1	\$29.00	80%	0%	0%		5	15	32	46	38	31	
	Forecasted Renewal Monthly licenses	Unit Sales							0	4	15	38	67	84	
	Actual New Monthly licenses Unit Sale	es													
	Actual Renewal Monthly licenses Unit	Sales													
Yearly license	Forecasted New Yearly license Unit Sa	les	12	\$199.00	80%	45%	70%		2	7	15	37	21	52	
	Forecasted Renewal Yearly license Uni	t Sales							0	0	0	0	0	0	
	Actual New Yearly license Unit Sales														
	Actual Renewal Yearly license Unit Sal	es													
		Percent													
		Units			Fee		Fee Timing								
	Dependent Revenue	Sold	Fee Trig	ggered by:	Value	Fee Cost	Offset								
	Traning Module	20%	Monthly I	icenses	\$89	0	0	\$8	39	\$267	\$534	\$801	\$712	\$534	\$1,3
	Traning Module	30%	Yearly lice	nse	\$89	0	0	\$8	39	\$178	\$445	\$979	\$534	\$1,424	\$1,5

The Results P&L – High Volume SaaS

	. /																			
Report Year	2021																			
							G	IA March 2	021	1 Class P&L	For	ecast for th	ie ye	ear 2021						
	Revenu	e Recognitio	n Base	ed																
		Jan		Feb	Mar	Apr		May		Jun		Jul		Aug	Sep	Oct	Nov	Dec	Tota	tal
evenue																				
Subscription Software Revenue		\$ 17	3\$	700	\$ 1,767	\$ 3,441	\$	4,405	\$	5,557	\$	8,027	\$	10,821	\$ 12,838	\$ 14,845	\$ 16,112	\$ 15,951	\$	94,64
Product Revenue		\$	- \$	-	\$ -	\$ -	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$ -	\$	
Professional Services Revenue		\$ 17	3\$	445	\$ 979	\$ 1,780	\$	1,246	\$	1,958	\$	2,848	\$	3,560	\$ 3,026	\$ 3,293	\$ 2,581	\$ 1,691	\$	23,58
otal Revenue		\$ 35	5\$	1,145	\$ 2,746	\$ 5,221	\$	5,651	\$	7,515	\$	10,875	\$	14,381	\$ 15,864	\$ 18,138	\$ 18,693	\$ 17,642	\$	118,22
Cost of Goods																				
Third Party / Transaction Fees		\$ 1	9 \$	64	\$ 145	\$ 315	\$	253	\$	430	\$	544	\$	691	\$ 656	\$ 721	\$ 610	\$ 526	\$	4,97
Hosting Expenses		\$	- \$	-	\$ -	\$ -	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$ -	\$	
Customer Support		\$	- \$	-	\$ -	\$ -	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$ -	\$	
Internal Engineering Support		\$	- \$	-	\$ -	\$ -	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$ -	\$	
Professional Services		\$	- \$	-	\$ -	\$ -	\$		\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$ -	\$	
Cost of Product Sales		\$	- \$	-	\$ -	\$ -	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -	\$ -	\$	
otal Cost of Goods		\$ 1	9\$	64	\$ 145	\$ 315	\$	253	\$	430	\$	544	\$	691	\$ 656	\$ 721	\$ 610	\$ 526	\$	4,973
Gross Profit		\$ 33	7\$	1,081	\$ 2,601	\$ 4,905	\$	5,398	\$	7,086	\$	10,332	\$	13,690	\$ 15,208	\$ 17,417	\$ 18,083	\$ 17,116	\$	113,254
Gross Margin		94.8	%	94.4%	94.7%	94.0%		95.5%		94.3%		95.0%		95.2%	95.9%	96.0%	96.7%	97.0%		95.8

Summary – SaaS Forecast Data Elements

- Investors will ask for a customer list and forecast for high value SaaS businesses
- Investors expect accurate, thoughtful forecasts
- No forecast is accurate, but the assumptions are critical
- Keep this updated over time. Your forecast is essential to business planning

SaaS Model Dynamics

LTV to CAC Ratio

- SaaS models often focus on LTV to CAC ratio (I think this is outdated)
 - CAC = Customer Acquisition Cost
 - Total sales and marketing expenses / number of new customers acquired = CAC
 - LTV = Lifetime Value
 - Average monthly revenue per customer X customer lifetime in months = LTV (Yearly is same formula using yearly numbers)
 - LTV / CAC Ratio = Divide the LTV by the CAC
 - E Commerce LTV is a different equation and up for debate

LTV to CAC Ratio

ClinicNote university example

- Yearly sales and marketing costs = \$71,000
- Yearly average revenue per customer = \$6,500
- 21 new customers in last year
- Average life of customer 4 years (est.)
- CAC = \$71,000 / 21 = \$3,381
- ►LTV = \$6,500 * 4 = \$26,000
- LTV / CAC ratio= 26,000 / \$3,381 = 7.7

MTR – Better Measurement for Early Stage

MTR – Months To Repay

- ClinicNote has a CAC of \$3,381
- Average contract value = \$6,000
- MTR focuses on payback period
 - 6.7 months for example above
- The cash flow impact is the key

MTR = CAC / (ACV/12)MTR = \$3,381 / (\$6,000/12) = 6.762

How Revenue is Recognized in SaaS Sales

Revenue is earned over time of service
Cash is recognized when you receive it
Example: 12 mo. SaaS license sale for \$6,000

1	Revenue Recognitio	n Based			Lil Sidekick (sir	mulation) P&L I	Forecast for the	e year 2019					
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec Tot	tal
Revenue Revenue	50	500	500	500	500	500	500	500	500	500	500	500	6,000
Cost of Revenue Commissions			-	-	-	-	-	-	-	() - (-	-	-
Gross Profit	50	500	500	500	500	500	500	500	500	500	500	500	6,000

Lil Sidekick	(simulation)	Cash Flow	Forecast for	r the yea	r 2019

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Starting Cash	10,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000
Revenue Received	6,000	101	1	-	-		5	5	-	-	-	5.4
Commissions		-	æ	æ		-	Ξ.	-	-	() - ()	-	
Credit Card Fees	-	-	14	14	92	2	<u> </u>	÷	21	-	-	1.2
Inventory	-	-	-	-	-	8	-	-	-	- 1	-	-
Operating Expenses			<i></i>	<i></i>		-			-	0.50	1.51	
New Investment	828	121	82	84	2	1	×	-	<u>.</u>	(32)	023	843
Ending Cash Balance	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000
Change in Cash	6,000									0.00	-	(1

SaaS Cost of Revenue

Elements include:

- Hosting
- 3rd Party web fees such as content delivery, embedded software, embedded services
- Support personnel costs
- Customer onboarding costs
- Credit card fees (debate on this point)

Seasonality in All Revenue Models

- Key failure in many models is not addressing the seasonality of the business
- Consumer products
 - Holidays, weather, sporting seasons
 - Procurement seasons and windows for major retailers
- Vertical market products
 - Tradeshow seasons
 - Budget cycles
 - End-of-year issues
 - Busy seasons

SaaS Model Valuations

- SaaS businesses are valued on a multiple of annual reoccurring revenue
 - Influenced by many factors including growth rate, margin, reoccurrence rates, barriers to entry, market share, etc.
- Typical valuations currently are 5 to 10 times annual reoccurring revenue (ARR)
 \$3.5M ARR = \$17.5M to \$35M in valuation

SaaS Model Valuations



See Appendix: <u>Private SaaS</u> <u>Company</u> <u>Valuations: 2021</u>



To determine what your private SaaS company is worth:

1 - Find the current revenue multiple of public SaaS companies growing at a similar rate

2 - Subtract 2 to get the discounted private SaaS company multiple

3 - Multiply your company's trailing 12-month revenue by the discounted private SaaS company multiple

This is a very simplistic estimate



- The key to a software or service business is reoccurring revenue
- Common for a large SaaS company to be valued at 6 to 12 times revenue
 - \$1M / year revenue = company value of \$6M to \$12M
- Estimating the reoccurrence rate is very hard
 - What percent of current customers will renew?
 - Few achieve 90% per year

Physical product company examples

- Lil' Sidekick
 - Physical product mass market
- FarrPro
 - Physical product vertical market

All financial information provided is fictional

Physical Products Revenue Models


- Adjust to secure any item (Teethers, Spoons, Sippy
- Yummeez is a breakthrough in the teething industry. It is the world's first and only truly flavored teether, that brings much needed relief for lil' ones.

Lil' Sidekick Revenue Models

- Sell to big box store (Walmart is largest customer)
- Sell on Amazon
- Sell through distribution
- Sell international
- Sell direct from website

Each of these models have different prices, costs, timing, and payment terms

Lil' Sidekick Walmart Cash Cycle

- 25% margin to Lil' Sidekick
- Monthly10,000 unit at \$4 per unit purchase order
- Cost of unit = 3
- \$40K revenue, \$30K cost, \$10K gross margin
- Impact of monthly \$40K orders is significant
- Every week starting 30 days later they owe \$30K to the manufacturer

Lil' Sidekick Walmart Cash Cycle

Walmart cash cycle

Day#:	135	93
Walmart order Mfr. P.O. placed Product received Pay mfr. Ship order Walmart recv'd Walmart pays		X
		69

Financial Impact of Walmart

Jan	Feb	Mar	Apr	Mav	Jun	Jul	Aua	Sep	Oct	Nov	Dec
0.0111			, , , , , , , , , , , , , , , , , , , ,				,		00.		

Revenue	\$40K	\$40K	\$40K	\$40K	\$40K	\$40K	\$40K	\$40K	\$40K	\$40K	\$40K
Mfr Payment:	-\$30K	-\$30K	-\$30K	-\$30K	-\$30K	-\$30K	-\$30K	-\$30K	-\$30K	-\$30K -	\$30K
Cash received:			\$40K	\$40K	\$40K	\$40K	\$40K	\$40K	\$40K	\$40K :	\$40K
Net Cash	-\$30K	-\$60k	(-\$50K	-\$40K	-\$30K	(- \$20K	(-\$10K	\$0K	\$10K	\$20K	\$30K

Revenue of \$440,000, ending cash \$30K Time to cash positive: 7 months

70

Lil' Sidekick International Cash Cycle

40% margin to Lil' Sidekick

- Minimum order is 1000 units at \$7.50 per unit price
- Unit cost is \$4.50
- Distributor pays at time of shipment

Lil' Sidekick International Cash Cycle

Sell via international cash cycle

/	Day#: 1	33	
	Distributor orders X		
	Mfr. P.O. placed X		
	Product	Х	
	received	Х	
	Pay mfr.	Х	
	Ship to	Х	
	distributor		
	Distributor pays		

72

Financial Impact of International

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Revenue			\$	57,500			\$7,50	0		\$7,50	0	
Mfr Payment:			-	\$4,500)		-\$4,5	00		-\$4,50	00	
Cash received:			\$7,500			\$7,50	0		\$7,50	00		\$7,500
Net Cash			\$7,500	\$3,00	0 \$	510,500	D \$6,0	000	\$13,5)0 \$9 <i>,</i>	000 \$	16,500

Revenue \$22,500, ending cash \$16,500

FARRPRO

ABOUT US CONTACT

HAVEN[™]

The perfect microclimate for newborn pigs! FIELD TESTED. SCIENTIFICALLY PROVEN.



FarrPro Revenue Models

- Large producers
 - Sales process pilot first, then rollout
- Indirect / assisted sale
 - Value added reseller

FarrPro Direct Sale Cash Cycle

- List price \$995, average sale price \$742
 - Use average sale price to deal with discounting
- Margins 39% to 54% depending on volume ordered
- Customer pays 30 days after order received
- 60 days from order to delivery by manufacturer. Must pay mfr at time of order
- Offers discounts for cash in advance or cash on delivery

FarrPro Direct Sale Cash Cycle

Direct sale cash cycle

Day#	: 1	30	60	90
Customer order Mfr. P.O. placed Product received			V	
Pay mfr.	Х		^	
Ship order			Х	
Customer pays				Х

Financial Impact of Direct Sales

Example: 10 units / mo. 50% margin

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Order quantity	10	10	10	10	10	10	10	10	10	10	10	10
Revenue			7,420	7,420	7,420	7,420	7,420	7,420	7,420	7,420	7,420	7,420
Mfr Payment: Cash received:	-3,710	-3,710	-3,710	-3,710 7,420					-3,710 7,420			
Net Cash	-3,710	-7420	-3,710	·		·					·	0 29680
Revenue	of \$7	4,200), en	ding	cash	\$29,	680 –	COU	ld be	mua	ch w	Orse 78



- List price \$995, average sale price \$625
- Margins 31% to 40% depending on volume ordered
- Distributor pays on order received
- 60 days from order to delivery by manufacturer. Must pay mfr at time of order

FarrPro Indirect Cash Cycle

Indirect cash cycle

Day#: 1	30	60	90
Distributor order X Mfr. P.O. placed X			
Product received Pay mfr. x		Х	
Ship order		Х	
Distributor Pays		Х	

80

Financial Impact of Indirect Sales

Example: 10 units / mo. 40% margin

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
/	Order quantity Revenue	10	10	10 6,678									
	Mfr Payment: Cash received:	-3,710	-3,710	-3,710	-3,710	-3,710	-3,710	-3,710	-3,710	-3,710	-3,710	-3,710	-3,710
	Net Cash	-3,710	-7400	-2,968	0	2,968	5,936	8,904	11,872	14,840	17,808	20,776	23,744
	Reve	enue	of \$7	4,20	0, en	ding	cash	n \$23	,744				81

Physical Product Costs Change Over Time

Costs are very different depending on the stage of the product

Prototyping / Testing / Certification / Selling / Scaling

Optimize for the "selling" phase

Cash Flow Modeling for Complex Products

- FarrPro product is made up of many components from many suppliers
- You will not buy exact quantities of each part for each order
 - 10 screws = \$10.00 1,000 screws = \$25.00
 - Minimum order quantities for certain parts
- As you grow, the operational aspects of this issue grow along with the opportunities for cost reduction
 - More cash allows lower costs

Summary - Different Selling Approaches

- Each approach likely reaches different customers
- Examine profitability, cash flow and resource requirements of each approach
 - International can be very cash friendly
- Focus on biggest long-term opportunity
- Keep in mind who owns the customer relationship
 - You want to own this relationship if possible

Summary: Physical Product Cash Cycle

- Selling physical product with extended terms and low margins is a brutal business
- Compare the amount of gross margin per sale to the frequency of sale and the length of the cash cycle
 - 10% gross margin on a product you sell 50 times per year may be good if the cash cycle is 10 days and you pay net 30
 - 50% gross margin on a product you sell once a year is probably bad if the cash cycle is 9 months

Summary: Physical Product

Once you get past the beginning cash crunch, these can be very lucrative if the margins are good

- Focus on improving margins over time
 - Increase purchase volume
 - Buy raw materials in larger volume
 - Get competitive bids to your current suppliers
- Focus on gaining better payment terms from your manufacturer
- Beware of commissioned sales long term

Summary of first step! (50+ slides later...)

- The revenue model defines much of your expense structure and amounts
- What remains to document include:
 - Product development
 - Sales and marketing expenses
 - People
 - General and operating expenses

Step Two: Product Development

The Second Step: Software Product Dev. Cost

Product development costs are all the costs of bringing your product to market and maintaining the product in the market

- Software development
- 3rd party APIs, libraries, contract development, user testing
- Support, ongoing updates, certifications

The Second Step: Software Product Dev. Cost

Software = \$200,000 to \$5 million up front

- Ongoing maintenance and upgrades
 - New features, upgrades
 - Browsers change constantly
 - Standards such as HIPPA change
 - APIs change
 - Partner companies go away or change business models
 - ClinicNote has a billing partner for insurance billings
 - Unexpected items such as ADA compliance for government funded entities



The Second Step: Hardware Product Dev. Cost

Product development costs are all of the costs of bringing your product to market and maintaining the product in the market

- Product development
 - Design, develop, package, produce, test, certify
 - Packaging (unit and case)
 - Packaging test and certification





- Design engineering, tooling, prototypes
- Pilot, testing, and certification
- Packaging anticipate updates
- Expect tool and packaging changes over time



The Second Step: Hardware Product Dev. Cost

Electronic devices = \$2 to \$50 million

- Large team of people
- Significant outside development contracts
- 3rd party manufacturing
- Everything changes over time



Summary: Product Development Cost

- Get help on this step from others
 - Make sure they have built something similar to what you are building
- Get multiple bids
- Check references
- Plan for delays, failures, and problems

Step Three: Sales and Marketing

The Third Step

- Sales and marketing expenses
 - Specific marketing software
 - Trade shows
 - Advertising
 - Web development for company site
 - Travel
 - Direct sale regional sales force = large travel budget
 - Phone / video conference sell = minimal travel
 - Tradeshows and conference speaking

Step Four: People

The Fourth Step

People

- For each area, what people do you need to hire and when?
- Are they contract or full time?
- Will you provide benefits?

Step Five: G&A Expenses

The Fifth Step

- General / operating expenses
 - Rent
 - Software licenses
 - Legal
 - Financial
 - Equipment (computers, test equipment, servers)
 - Banking
 - Insurance (E&O, D&O, liability, life insurance for key persons, cyber)
 - Phones

How Much Should You Raise?

How Much Should You Raise - Analytical

- Determine negative cash flow "bottom"
 - Build your forecast with no investment
 - Make sure you have product development, support and other costs included
 - For hardware companies, inventory is critical
 - Add any other startup expenses
 - Determine average burn rate
 - Determine average sell cycle

How Much Should You Raise - Analytical

Negative cash flow bottom = \$1,300,000
Average burn rate is \$75K per month
Average sell cycle is 6 months
Mike's formula:

Neg cash flow + (burn rate * 1.5 * sell cycle in months)

1,300,000+(75,000*6*1.5)=1,975,000

There is no perfect answer. The key is your assumptions

How Much Should You Raise - Analytical

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Starting Cash	10,000	10,000	10,000	(35,000)	(129,500)	(247,955)	(689,609)	(1,234,547)	(605,753)	(122,312)	319,350	1,650,622
Revenue Received	574	-	-	-	41,552	155,820	280,476	1,157,520	1,595,300	964,600	2,077,600	964,600
Commissions	200	1. . 11	æ		1,247	4,675	8,414	34,726	47,859	28,938	62,328	28,938
Credit Card Fees	043	-	12	54	-	-	-	-	-	-	-	-
Inventory	-	-	45,000	94,500	158,760	592,800	817,000	494,000	1,064,000	494,000	684,000	798,000
Operating Expenses	1.0	1.5.1	5 .	. 	17	-	-	-	-	85.55	0.53	-
New Investment	5 2 3	-	8 2	84	2		-		20	(c.)	120	3 - 3
Ending Cash Balance	10,000	10,000	(35,000)	(129,500)	(247,955)	(689,609)	(1,234,547)	(605,753)	(122,312)	319,350	1,650,622	1,788,284
							\smile					
Change in Cash	(*)	-	(45,000)	(94,500)	(118,455)	(441,655)	(544,938)	628,794	483,441	441,662	1,331,272	137,662

How Much Should You Raise – Common Path

- Raise enough money to achieve a set of milestones that will attract a subsequent round of investment
- Although raising for 15-18 months is ideal, sometimes it isn't a reality
- Early on you may raise a smaller amount for a shorter runway simply to demonstrate initial traction (initial working product, pilot customers, etc.)
- Focus on getting done fast and back to work

Final Thoughts



Further Reading

- Preparing a SaaS Company for a Capital Raise SaaS Capital
- How to Read a Balance Sheet (The Not-Boring Version) Andrew Youderian
- The Finance Function: Looking Back And Looking Forward
- What is LTV:CAC Ratio? geckoboard.com
- The False Confidence of the LTV/CAC Ratio for Early Stage SaaS Startups Tomasz Tunguz
- Unpacking the Deep Diagnostic Value of LTV/CAC for SaaS Startups
- The Math Behind SaaS Startup Customer Lifetime Value
- SaaS Cost of Goods Sold for Startups
- <u>2021 Private SaaS companie valuations</u>