Task Capstone Schedule	Sub Task	Dependency	Owner	Status	Due date	ite No	sitssues								
	https://docs.people		Thong	Done	1	10/4 Or	ing updates								
Weekly Meeting Not			Thong	Opposites			ing updates								
Weekly Meeting Not Workshop 1				Ongoing			my sporter								
	Scope		Thong Sarah	Done Done	1	10/3 10/3									
	Schedule		Sarah	Done	1	10/3									
Presentation 1	Draft Outline - slide 1-3				10	10/10	ested Division of slides: Sarah (1-3);								
	Sides 4-6		Zhonosiao	Done		06	issed Division of singles: Sarian (1-3);								
	Sides 4-6 Sides 7-8		Shankar	Done											
	Stickes 9-10		Sarah Zhongqiao Shankar Thong Thong Thong	Done Done Done Done Done Done											
	Get images and beautify Post it		Thong	Done											
Project Description to	post or wall		inong		10	10/10									
Project Description to	First Draft		Sarah Thong, Shankar, Zhongqiao Thong	Done											
	Edita		Thong, Shankar, Zhononian	Done											
	Post		Thong	Done Done											
Presentation 2	Presentation Outline First Draft		Sarah	Done	1	11/9									
	Get images and beautify		Thora	Done											
	Post		Sarah All Thong Thong	Done Done Done Done											
1) Read ticker data f	or S&P stocks from Yahoo Finance Full data dump (start date = 2000-01-01)		Thong	Done on 10/6	000	10/6									
	Incremental data dump			101	00%										
	Unit test			100	00%										
	Check-in code, data			100	00%										
2) Read data from Tr	Current and historical data?		Sarah	Done	1	10/6 No	ery useful because not historical; can work on building in for real time updates								
				100	00%										
	Check-in code, data			100	00%										
3) Read historical ne	rws		Zhongqiao	Done		10/8 Or	got data since 2010. Will try google API								
	Full data dump (start date = 2015?)			91	90%	Ge	de api can get back as far as 2015								
	Incremental data dump		Theresis and	91	90%		easible because news data don't always contain quarterly info								
	Flag: Q1, Q4, FY		Zhongqiao, Sarah		11	1/12 No	season pecause news data don't always contain quarterly info								
4) Read revenue dat	la about a company		Shankar	Done	1	10/8									
	static data dump: company size, employees					10/12 an	orehansive Data available via API from Datanyze or FullContact. But only 100 API calls per month see, basic subscription fee of \$90 per month allows up to 2500 calls per month.								
	300 stocks		Shankar	Done Done complete for b'Date, Opan High Low, Close Volume, Dividend, Sgi Adj, Opan, Adj, High, Adj, Low, Adj, Close, Adj, Volumeln'i based upon stock symbol	11										
	Dividend, PE ratio (not historical), revenues (historical?)		Shankar, Thong	Done	1	10/8 Rv	nue and Dividends done, searching for FREE historical PE ratio.								
				Complete for b'Date, Open,High,Low,Close	90.										
				Volume, Dividend, Spli Arti Onen Arti Hinh	plit,										
				Adj Low, Adj Close,		The	g: where is the sp500 data? : No free data available. We can try to get data for \$40 - \$99 per h.								
	Historical data - Full (start date = 2008)			upon stock symbol	1	10/8 m									
							not found any free sites that offer Historical data								
						Re	client committed, works on specific ticker symbol, more development will happen in coming a								
					1	10/8 ws	4								
5) NLP on news	sample output data		The constant	Done Done Done Done	1	11/6 M	be done sooner than 11/10 to unblock baseline, final model								
	Remaining data (340)		Zhongqiao Zhongqiao	Done	- 11	11/18									
	Remaining data (340) Generate sentiment analysis scores Finalize feature extraction		Zhongqiao Zhongqiao Zhongqiao Sarah	Done											
	Finalize feature extraction		Sarah		11	11/24 Ba	features for MVP, better features to come for next round								
6) UI (MVP)					11	11/10									
	Basic Wireframes Review Wireframes		Sarah	Done	10	11/10 10/23									
	Review Wireframes Besic Flesk Apps		Sarah team Sarah	Done Done Done Done	_	11/6 M									
	Basic Plask Apps Code for basic flask app up on github (with local-ly runanble I	html files)	Sarah	Done	- 11	11/12 M									
		None	Zhongqiao		TDB										
	Basic formetting on interactive page Connect the flask to back end	Code on github	Sarah	Done	TBD										
	Connect the flask to back end Finished Flask Apps		Thong Sarah/Thong	Done Done	11	12/01									
	Improving UI Deploy App to AWS		Thong		50%	1201									
	Deploy App to AWS		Thong Sarah Sarah		50%										
	Automate git pull from AWS		Sarah	51	50%										
7) Baseline Model															
	Build training and test data (just stock prices)		Thong	Done	10	10/15									
		1	Thong Thong Thong Thong Thong	Done Done Done Done Done	10	10/20 Th	surrent model is not good at prediction stock price. Will have to try others								
	normalized data Unit test	- 1	Thorn	Done	10	10/30 10/30									
	Check-in code		Thong	Done	10	10/30									
8) Final Model	I STM model with just price data		Thorn	Dane	- 1	12/6									
	LSTM model with just price data price + other financial + NLP news data	1,2,3, 5(?)	Thong	Done Done Done Done Done Done Done Done		Th	s the most laborious step to integrate and rerun everything								
	identify stocks with highest returns train & predict with 500 stocks (30, 45, 60 days)		Thong	Done											
	train & predict with 500 stocks (30, 45, 60 days) Data Analysis to narrow down features to use		Thong	Done											
	Data Analysis to narrow down features to use Tuning for overfitting		Thong	Done											
	Unit test		Thong	Done											
	Check-in code		Thong	Done											
9) Use MI naturate	recommend portfolio given investor goals (given risk choice,	7,8			44	11/30									
, output 10	Output: top 10 list of stocks	7,0	Thong	Done	- "										
11) Ulear ausbur *	Conduct survey and create MOSCOW list		Sarah	Dana		12/3									
	Remove input amount		Thong	Done	1	12.3									
	Display top 10 results		Thong Thong	Done Done Done											
12) Finalized UI	Revemp Ut for better usability		Thorn	Dane											
	Redo UI to serve table instead of graph		Thong Thong Sarah/Shankar	Done Done Done	4	4/12									
	Images of potential graphs on slack		Sarah/Shankar	Done	2	4/12 2/12									
	Redo Ul to serve table instead of graph Images of potential graphs on slack Develop background page that communicates value proposition		Sarah	4	40% 3	3/12									
	Deploy latest code to AWS		Sarah	Done	4	4/12 3/12									
	Get S&P500 Index fund data for 30, 45, 60 day gains		Zhongqiao	Done Done Done Done	3	3/12									
	Display the fund's avg gains on the UI	Data from index fund	Thong	Done											
	Display the fund as baseline in UI Implement improved graph	Data from index fund Data from index fund	Sarah	Done		3/12									
				first tests of backgrou	ound										
				first tests of backgrou text done; full user testing appointment scheduled weekend of 9 and 10											
	Second Round of UI testing	Updated UI	Sarah	scheduled weekend of 9 and 10	of 10	10/12									
		2,22200													
Nine to haves:															
Nice to haves:	Improve graphic design of main page	Other main UI channes	Shankar?/Sarah												
	Improve graphic design of main page Show more information about companies	Other main UI changes	Shankar?/Sarah												