## Milestone 2 - Project Plan

**Team number:** 104-3 **Team name**: Orange

Team Members: Konlan Rondini, Nicole Costello, Dylan Sain, Zhongzhi Zhang, Liyang Ru

## **Project Features:**

- Logs in/Creates Account
  - A user should be able to create an account to save and come back to one's net worth.
  - They should be able to personalize their account.
- Calculates Net Worth
  - After creating an account, one needs to be able to input various assets and liabilities to one's economic status
  - The program then needs to do a simple summation to create a net worth value.
- Share data with other users
  - User should be able to take their net worth and share it with other users
- Customize sharing settings
  - User should be able to toggle which specific information they choose to share with other users
    - If a user has a lot of loans, they can opt to not share that particular liability with other users
- Suggest ways for the user to improve their financial health (stats)
  - o Point out specific areas where the user is spending significant amounts of money
- Compares results to various celebrities
  - After calculating one's net worth, there will be a functionality for the program to be able to compare one's personal net worth to individuals that are famous for one reason or another.

## **Requirements:**

#	Feature	Functional Requirements	Non-Functional Requirements							
1	Logs in/Creates Account	-allows user to enter username & password in text fields -authenticates user -protects visibility user password while typing -allows new users to create new account -Redirects user to the main page if credentials are correct	-must allow user to create new account if they do not have one -new user data must be added to SQL database -allow user to log in if they enter correct credentials -verify user data upon submission of credentials before allowing them to continue							
2	Calculates Net Worth	-ability to take user input for data used in calculations -ability for user to change or save their data -calculates net worth using data inputted by user	-performs net worth calculation accurately(accuracy) -performs net worth calculation quickly -results must be stored in database so that user to view on their profile page							
3	Shares data with other users	-ability to share link to your profile with another user -Sends automatic email with link upon receiving email or the username of another user	-must allow user to send this link to any valid email or username -send email quickly -generate response that allows user know if input was valid -maintain data for all users of the app in a database							
4	Customize sharing settings	-System gives the user several options for what information they wish to share and which to withholdSaves and applies changes to user settings	-Disable/enable appropriate views for external users based on user selectionStores data so that these preferences stay (reliability)							
5	Suggests ways for user to improve financial health	-Gives suggestions to a user can improve one's net worthBases suggestions on predefined formula	performs calculations accurately -performs calculations quickly -readability of results -uses data from various data tables/sources to provide meaningful results							
6	Compares results to various celebrities	-System compares the user's networth to that of any particular celebrity they choose.	-prepopulate a diverse list of celebrities for user to choose from (scalability) - Provide results quickly and accurately							

## **Project Plan**

T	ask Name	Start Date	End Date	Duration	% Complete	Status	Assigned To
-	"Log in/Create Account" feature	03/11/19	03/19/19	9d	30%	In Progress	
	Create CSS/HTML login page	03/11/19	03/15/19	5d	50%	In Progress	Konlan Rondini
	Build SQL DB for entire project	03/15/19	03/15/19	1d	50%	In Progress	Nicole Costello
	Build SQL data table to store login/user data	03/15/19	03/15/19	1d	0%	In Progress	Nicole Costello
	Connect DB using NodeJS	03/17/19	03/19/19	3d	0%	Not Started	Zhongzhi Zhan
-	"Calculate Net Worth" feature	03/19/19	03/24/19	6d	0%	Not Started	
	Create CSS/HTML for data entry/calculations page	03/19/19	03/21/19	3d	0%	Not Started	Dylan Sain
	Build SQL data table for storing users financial data	03/19/19	03/19/19	1d	0%	Not Started	Nicole Costello
	Implement javascript for calculations	03/22/19	03/23/19	2d	0%	Not Started	Liyang Ru
	Connect SQL database using NodeJS	03/23/19	03/24/19	2d	0%	Not Started	Zhongzhi Zhan
-	"Share data with other users" feature	03/24/19	03/26/19	3d	0%	Not Started	
	Create CSS/HTML button/window for sharing	03/24/19	03/25/19	2d	0%	Not Started	Konlan Rondin
	Connect SQL DB using NodeJS (contact info)	03/26/19	03/26/19	1d	0%	Not Started	Liyang Ru
-	"Customize sharing settings" feature	03/26/19	03/30/19	5d	0%	Not Started	
	Create CSS/HTML form	03/26/19	03/28/19	3d	0%	Not Started	Konlan Rondin
	Create SQL data table for storing preferences	03/26/19	03/26/19	1d	0%	Not Started	Nicole Costello
	Connect SQL DB using NodeJS	03/29/19	03/30/19	2d	0%	Not Started	Zhongzhi Zhar
-	"Suggest ways for the user to improve financial health"feature	03/27/19	04/05/19	10d	0%	Not Started	
	Build CSS/HTML page for suggestions	03/30/19	04/01/19	3d	0%	Not Started	Konlan Rondin
	Research metrics/tips used for financial health	03/27/19	03/29/19	3d	0%	Not Started	Dylan Sain
	Build SQL data table with suggestions based on net worth	03/30/19	03/30/19	1d	0%	Not Started	Nicole Costello
	Connect SQL DB using NodeJS	04/02/19	04/03/19	2d	0%	Not Started	Zhongzhi Zhar
	Implement Java Script to choose & display suggestions	04/04/19	04/05/19	2d	0%	Not Started	Liyang Ru
-	"Compare results to various celebrities" feature	03/27/19	04/05/19	10d	0%	Not Started	
	Gather data from external sources	03/27/19	04/01/19	6d	0%	Not Started	Dylan Sain
	Build CSS/HTML page for celebrity comparisons	04/01/19	04/03/19	3d	0%	Not Started	Konlan Rondin
	Build SQL data table for holding celebrity info	04/01/19	04/02/19	2d	0%	Not Started	Nicole Costello
	Connect SQL DB using NodeJS	04/04/19	04/05/19	2d	0%	Not Started	Zhongzhi Zhar
-	Testing	04/06/19	04/25/19	20d	0%	Not Started	
	Test login page	04/06/19	04/10/19	5d	0%	Not Started	Konlan Rondin
	Test user settings	04/06/19	04/10/19	5d	0%	Not Started	Zhongzhi Zhar
	Test sharing feature	04/06/19	04/10/19	5d	0%	Not Started	Liyang Ru
	Test comparisons page	04/06/19	04/10/19	5d	0%	Not Started	Dylan Sain
	Test suggestions page	04/06/19	04/10/19	5d	0%	Not Started	Dylan Sain
	Test ease of use/reliability	04/06/19	04/10/19	5d	0%	Not Started	Nicole Costello
	Correct misc errors found/ Additional testing	04/06/19	04/25/19	20d	0%	Not Started	All

	Task Name		Mar 10 Mar 17						Mar 24 Mar 31						Apr 7						Apr 14						Apr 21					
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3	Create CSS/HTML login page		-		Create CSS	/HTML log	gin page															Т										
4	Build SQL DB for entire project				Build SQL E	B for enti	re project	:																								
5	Build SQL data table to store login/user data				Build SQL o	ata table	to store I	og n/u	ser dat	a																						
6	Connect DB using NodeJS					Cor	nect DB (	using N	lodeJS																							
7	"Calculate Net Worth" feature							+	"Calc	ulate	Net Wo	th" f	eature																			
8	Create CSS/HTML for data entry/calculations page						Crea	ate CSS	/HTML	for dat	ta entry	/calc	ulation:	page																		
9	Build SQL data table for storing users financial data					Buil	ld SQL dat	ta tabl	e for st	oring u	sers fin	ancia	l data																			
10	Implement javascript for calculations							In	nplemer	nt javas	script fo	r calc	ulation	ıs																		
11	Connect SQL database using NodeJS								Conn	ect SQ	L datab	ase u	sing No	deJS																		
12	"Share data with other users" feature									"SI	hare da	ta wi	th othe	r use	rs"fe	ature																
13	Create CSS/HTML button/window for sharing									Create	CSS/HT	ML b	itton/w	indov	forst	aring														$\top$		
14	Connect SQL DB using NodeJS (contact info)									Cor	nnect S	QL DB	using	NodeJ:	(cont	act inf	0)															
15	"Customize sharing settings" feature												"Cust	omize	sharir	ıg sett	ings"	featu	ıre									П	П	$\top$		
16	Create CSS/HTML form										C	reate	CSS/HT	ML fo	rm																	
17	Create SQL data table for storing preferences									Cre	eate SQ	dat	table :	for st	oring p	refere	nces															
18	Connect SQL DB using NodeJS												Conn	ect SQ	L DB u	sing N	odeJS												П			
19	"Suggest ways for the user to improve financial health"feature															Ħ	"Sug	ggest	ways	for th	ie user	to in	prove	finan	icial h	ealth"	'feature	•				
20	Build CSS/HTML page for suggestions													Bu	iid CSS	/НТМЦ	page	fors	ugge:	tions								П	П			
21	Research metrics/tips used for financial health											Re	search	metri	:s/tips	used f	or fin	ancia	l heal	th												
22	Build SQL data table with suggestions based on net worth												Build	SQL d	ata tal	le wit	h sug	gestio	ons ba	sed o	n net i	vorth										
23	Connect SQL DB using NodeJS															Conne	t SQL	. DB u	ising t	lode):	;							П				
24	Implement Java Script to choose & display suggestions																Imp	leme	nt Jav	a Scri	ot to cl	noose	& dis	play s	ugge:	stions			П	$\top$		
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26	Gather data from external sources													Ga	ther d	ata fro	m ext	ernal	sour	es			П						П			
27	Build CSS/HTML page for celebrity comparisons															Build C	SS/HT	МЦр	age f	or cel	ebrity	omp	rison	s								
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31	Test login page																				Test	login	page									
32	Test user settings																				Test	user	settin	gs								
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37	Correct misc errors found/ Additional testing																													_		Correc
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