

Advanced Software Engineering
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Team: Buy Bitcoin

Team Assignment 1: User Stories, Use Cases, and Wireframes

High Priority User Stories:

Login: User logs into our platform. (**WIREFRAME A**)

Signup / Connect bank account: User registers and signs into their respective bank account allowing us access to bank data. (**WIREFRAME B**)

Select funding method: User chooses out of three options to determine what funding method they will choose (rounding, income percent, expenditure percent, fixed rate). (**WIREFRAME C**)

Select risk portfolio: User decides what risk they want to take with their assets, determining shape and assets in their portfolio. (**WIREFRAME D**)

Learn more - portfolio: User wants to see what one of the portfolios is made up of, to analyze the specific industries and asset types in the portfolio. (**WIREFRAME E**)

Use Cases:

<i>Name:</i>	Funding selection
<i>ID:</i>	UC_001
<i>Description:</i>	A user wants and needs to select how they will fund their savings/investment out of several (quantified) options provided by the platform
<i>Actors:</i>	MIWF user
<i>Organizational Benefits:</i>	Satisfy customer by allowing them to decide the amount of money they will invest, and how that money will be taken from their account.

<i>Frequency of Use:</i>	100% first time, may be used again if user is not satisfied with funding type, amount, and/or frequency.
<i>Triggers:</i>	The user selects a funding type from the several options listed on the dashboard.
<i>Preconditions:</i>	User is viewing the dashboard. User has selected a date from which to project growth.
<i>Postconditions:</i>	The funding type selected is highlighted and displayed upon the graph which represents portfolio size and growth.
<i>Main Course:</i>	<ol style="list-style-type: none"> 1. System displays funding types for user to select. 2. User selects out of 4 options offered. 3. System retrieves data corresponding to user's choice and displays to inform user of potential earnings. 4. User moves on to select what to invest certain amount in.
<i>Alternative Course:</i>	<ol style="list-style-type: none"> 1. User modifies funding type (i.e. income % from 5-> 10) 2. System updates, retrieves, and displays data
<i>Exceptions:</i>	User fails to select funding type, leaving platform with little to nothing to display.

<i>Name:</i>	Portfolio modification
<i>ID:</i>	UC_002
<i>Description:</i>	A user wants to adjust their portfolio bucket to become more aggressive/conservative in their investment effort.
<i>Actors:</i>	MIWF user
<i>Organizational Benefits:</i>	Satisfy customer by allowing them to select and modify their investment portfolio.

<i>Frequency of Use:</i>	Dependent on users satisfaction with portfolio selection.
<i>Triggers:</i>	The user selects a different portfolio and decides that they want to have that portfolio represent their investment.
<i>Preconditions:</i>	User is viewing the dashboard. User has selected a date from which to project growth. User has selected a funding type for their portfolio.
<i>Postconditions:</i>	Growth according to selected portfolio is displayed on dashboard, informing user of potential earnings through said selection.
<i>Main course:</i>	<ol style="list-style-type: none"> 1. System displays option to modify portfolio with 2 different portfolio options each with certain characteristics. 2. User chooses out of options offered. 3. System retrieves data and growth statistics, displays them to user. 4. User is now able to see if investing would be an attractive opportunity to pursue.
<i>Alternative course:</i>	<ol style="list-style-type: none"> 1. User chooses to see detailed portfolio breakdown. 2. System shows user stock/bond industry breakdown, offers user to select said portfolio.
<i>Exceptions:</i>	User deselects portfolio and does not select any other portfolio, limiting display on graph.

Wireframes:

(on next page)

MIWF

Wireframe A

USER STORY: USER LOG IN TO PLATFORM

LOG IN

EMAIL:

PASSWORD:

ENTER

IF YOU PREFER:

GOOGLE +

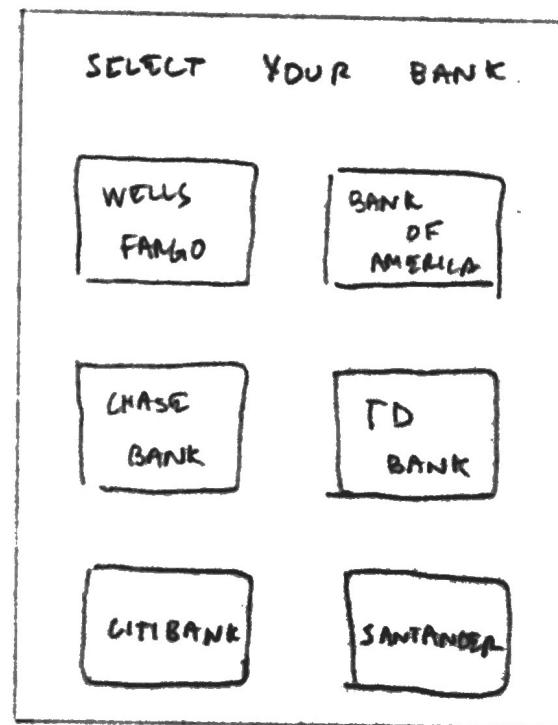
MIWF

Wireframe B

USER STORY: USER CONNECTS BANK ACCOUNT

WELCOME TO MIWF!

PLEASE ALLOW US ACCESS TO YOUR BANK INFORMATION



M | WF

USER STORY : USER ENTERS PLATFORM INITIALLY

DISPLAY
DATA
SINCE :

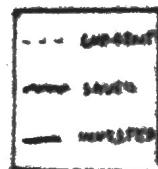
CURRENT BALANCE

\$1300

TOTAL INCOME

TOTAL EXPENDITURE

TOTAL SAVED



ROUNDING

FIXED MONTHLY

INVEST INCOME

INVEST EXPENSES



RISK 1

75% BONDS
25% STOCKS

- LOW RISK
- LOW RETURNS

SEVERAL LEARN MORE

RISK 2

50% BONDS
50% STOCKS

- HIGH RISK
- HIGH RETURNS

SELECT LEARN MORE

RISK 3

100% STOCKS

- HIGH RISK
- HIGH RETURNS

SELECT LEARN MORE

M1WF

Wireframe C

USER STORY: USER SELECTS SAVING METHOD.

DISPLAY
DATA
SINCE:

2016 ✓

CURRENT BALANCE

\$ 1300

TOTAL INCOME

\$ 8000

TOTAL EXPENDITURE

\$ 7500

TOTAL SAVED

\$ 0

ROUNDING

\$ 116

SELECT

FIXED MONTHLY

\$ 240

EDIT SELECT

INVEST INCOME

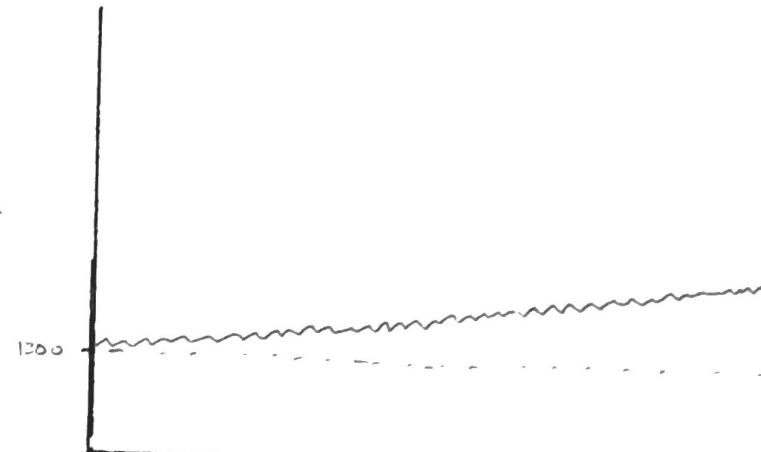
\$ 80

EDIT SELECT

INVEST EXPENSE

\$ 75

EDIT SELECT



--- CURRENT
DATA SAVED
— INVESTED

RISK 1

75% BONDS
25% STOCKS

• LOW RISK
• LOW RETURNS

SELECT LOW RISK

RISK 2

50% BONDS
50% STOCKS

• HIGH RISK
• HIGH RETURNS

SELECT HIGH RISK

RISK 3

100% STOCKS

• RISKY
• HIGH RETURNS

SELECT HIGH RISK

*// ROUNDING SELECTED
- OTHER METHODS
BLURRED.

M IWF

Wireframe D

USER STORY: USER SELECTS RISK PORTFOLIO

DISPLAY
DATA
SINCE:

2016 ▾

CURRENT BALANCE
\$ 1300

TOTAL INCOME
\$ 8000

TOTAL EXPENDITURE
\$ 7500

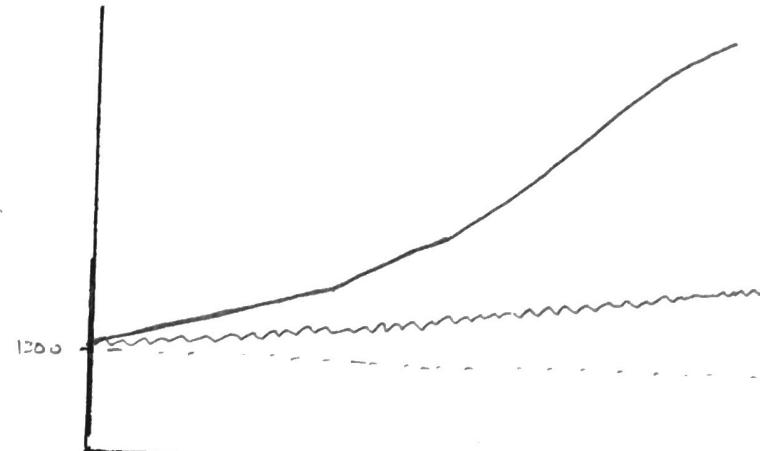
TOTAL SAVED
\$ 0

ROUNDING
\$ 116
SELECT

FIXED MONTHLY
\$ 240
EDIT *SELECT*

INVEST INCOME
\$ 80
EDIT *SELECT*

INVEST EXPENSES
\$ 75
EDIT *SELECT*



RISK 1
75% BONDS
25% STOCKS
• LOW RISK
• LOW RETURNS
SELECT *LOW RISK*

RISK 2
50% BONDS
50% STOCKS
• LESS SAFE
• MORE EXPOSED
SELECT *LOW RISK*

RISK 3
100% STOCKS
• RISKY
• HIGHER RETURNS
SELECT *LOW RISK*

*// ROUNDING SELECTED
- OTHER METHODS
BLURRED.

*// RISK 2
SELECTED,
OTHER METHODS BLURRED

Wireframe E

USER STORY: USER CONSULTS RISK BUCKLE
LEARN MORE.

M1WF

DATAPL
DATA
SUMS

2016

LONDON BALANCE
\$1200

TOTAL INVESTS
\$1500

TOTAL EXPENDITURE
\$1500

BALANCES
\$1100

INVEST BALANCE
\$800

RISK 2
PORTFOLIO
BREAKDOWN

50% BONDS

- GOVERNMENT
BONDS

50% STOCKS

20% ENERGY

20% TELECOM

20% HEALTHCARE

20% CONSUMER STAPLES

20% UTILITIES

RISK 2

50% BONDS

50% STOCKS

- CONG LAGS

- AUTO INDUSTRY

50% UTILITIES

RISK 2

100% STOCKS

- ENERGY

- FINANCIAL SERVICES

50% UTILITIES

% INVESTMENT
TOTAL INVESTS
BALANCES

RISK 2
SELECTED
INVEST PORTFOLIO BREAKDOWN