

Team Report

Introduction

Are you an International student or someone who just wants to get their finances on track? With WealthRise you can track your expenses, get notified when reaching your limit as well as invest. You will receive notifications in regards to reaching your limit on your expenses

If it happens that you miss your notification, that's ok! You will be notified again in order to access the app and accept that you have seen it.

Abstract/Summary

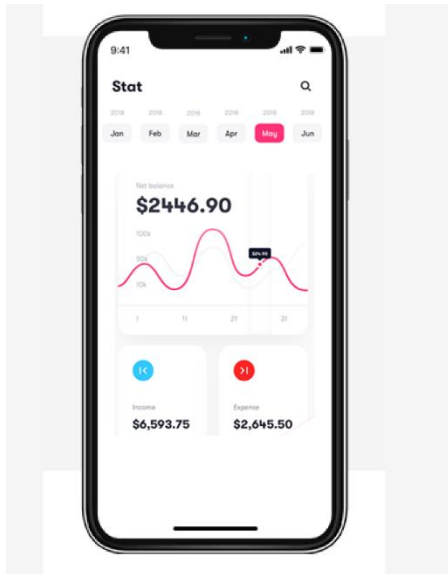
Name:	WealthRise
Audience:	Customer
Description:	The action in which the customer interacts with the app is to set limits on their credit/debit cards. The app responds with notifications to notify the app user that they have reached their limit. Our app also has an exclusive feature where you can invest in different stocks that have been verified on their existence and legitimacy.
Completion:	<ol style="list-style-type: none">1. User downloads our app from the app store or Google Play.2. User will be asked to create and account using their email and password.

	<ol style="list-style-type: none">3. The user then links their card banks to the app4. User sets limits for their card spending.5. Our app will ask the user for acceptance to their personal data and information to link to the app.6. Notifications will be set and go off when needed7. User confirms the notification
Assumptions:	If the app is downloaded, it is assumed that the user needs financial guidance or wants to invest.

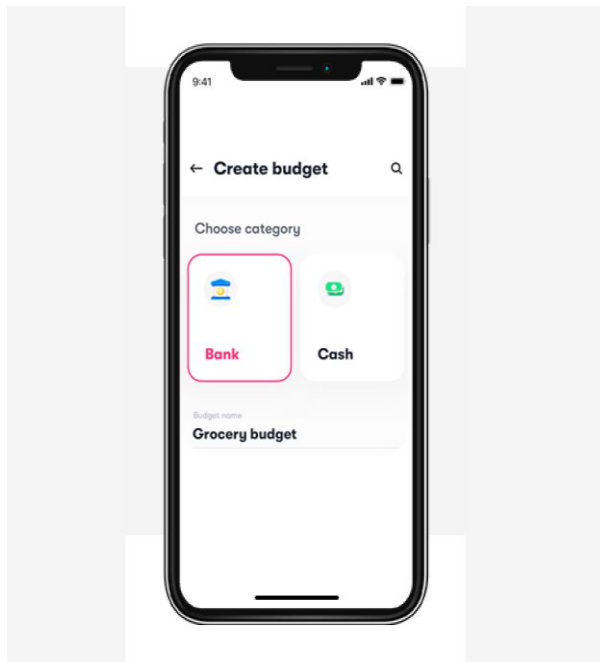
Wireframe

The wireframing models have been completed using Figma.

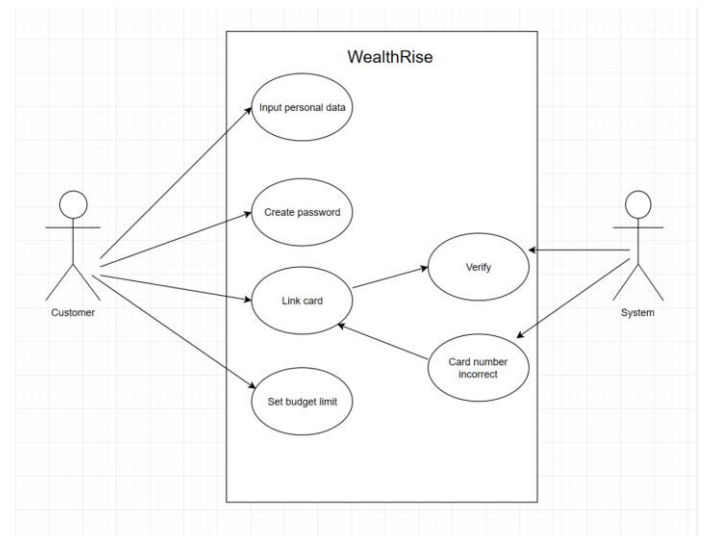
The first page shows the current amount you are at the time. A reminder is present listing the remainder amount you can spend from the different cards that are linked to your app account.



The second page is to provide the client if they want to set new saving goals using their cards or even cash.



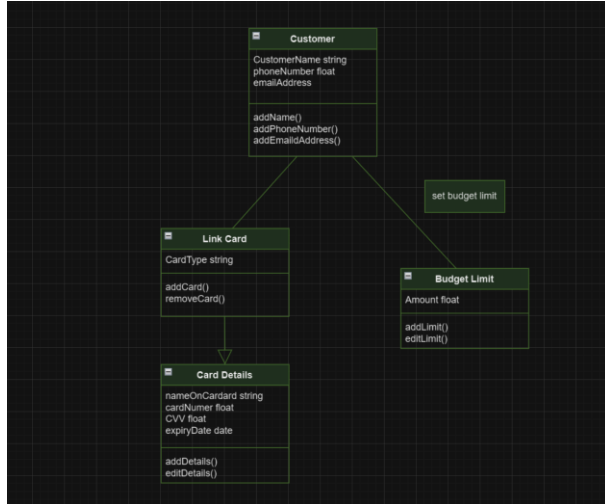
UML Charts



The case diagram portrays each of the apps tasks. The user will download the app via the app store or Google Play. Then the user must create an account and set their password. The user then links their card banks to our app. After they need to set a limit on how much they want to spend. The app will ask the user for acceptance to their personal data and information to link to the app. Notifications will need to be set and will go off when needed. Lastly, when receiving the notification, the user confirms they have received the notification.

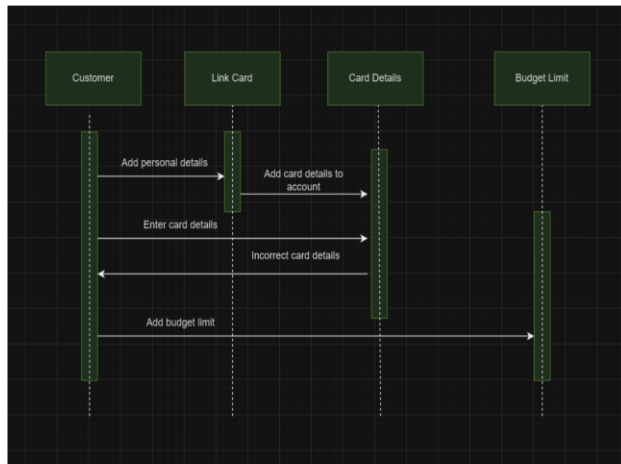
Class Diagram

Class diagrams are used to show the attributes and methods of each class of the system.



Sequence Diagram

Sequence diagrams show the control structures between objects. The lifelines in our sequence diagram for WealthRise represents the user and the app relationship.

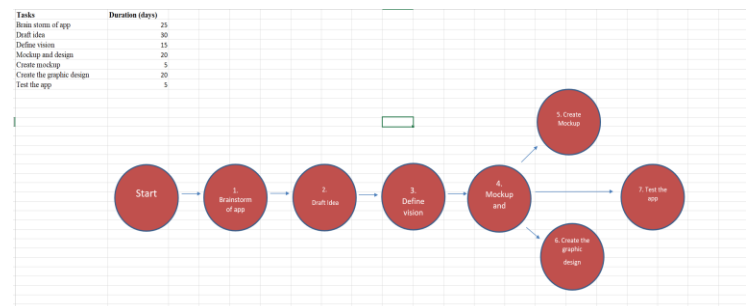


Conclusion

What makes our app so unique is the fact that it was built from the perspective of students that want to save and make money by investing. Having both an IT and Economics education, it has allowed us to help other people. It has a lot of potential in expanding by offering more services to the user than the ones presented in the wireframing such as managing their savings account and donating money to charities made from investing only available to exclusive users.

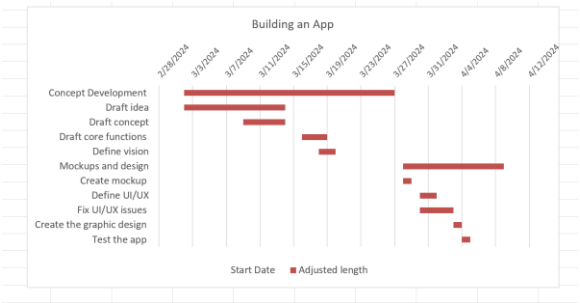
Pert Chart

The pert mapped and tracked our project tasks and timelines. It allowed us to better visualize the timeline and task duration, and how certain tasks might could affect deadlines.



Gantt Chart

This Gantt chart outlines the design, coding and testing processes we done in a simple but effective way, making it easy to see how each part of our process works together.



Blocks:

Start Screen

```
when Button1 .Click
do open another screen screenName Screen1
```

Create Account

The screenshot shows a code editor with the following logic for the "Create Account" screen:

```
when CreateAccount .Click
do
  set global createPassword to createPassword Text
  set global confirmPassword to confirmPassword Text
  if
    set global createPassword to
    set global confirmPassword to
  then
    open another screen screenName Main Page
  else
    set validation to Text to Passwords do not match
    set validation to TextColor to
  end if
end do
```

Below this, there is a section for "Screen1" initialization:

```
when Screen1 .Initiate
do
  set image Width to 250
  set image Height to 250
end do
```

Create Budget

```
when bank .Click
do open another screen screenName Bank_budget

when cash .Click
do open another screen screenName Cash_Budget
```

References

Field, Dylan, and Evan Wallace. “The Collaborative Interface Design Tool.” *Figma*, 2012, www.figma.com/.

Abelson, Hal. “News & Events.” *MIT App Inventor*, 1975, appinventor.mit.edu/.

Enloe, B. 2024 March 22. Mint Is Disappearing: What To Do And Alternatives To Consider. *Forbes*.
<https://www.forbes.com/advisor/banking/mint-disappearing-what-to-do/#:~:text=Commissions%20do%20not%20affect%20our,linked%20accounts%20on%20one%20screen>.