Boiler Banker Iteration I Sprint Planning Document

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Purpose

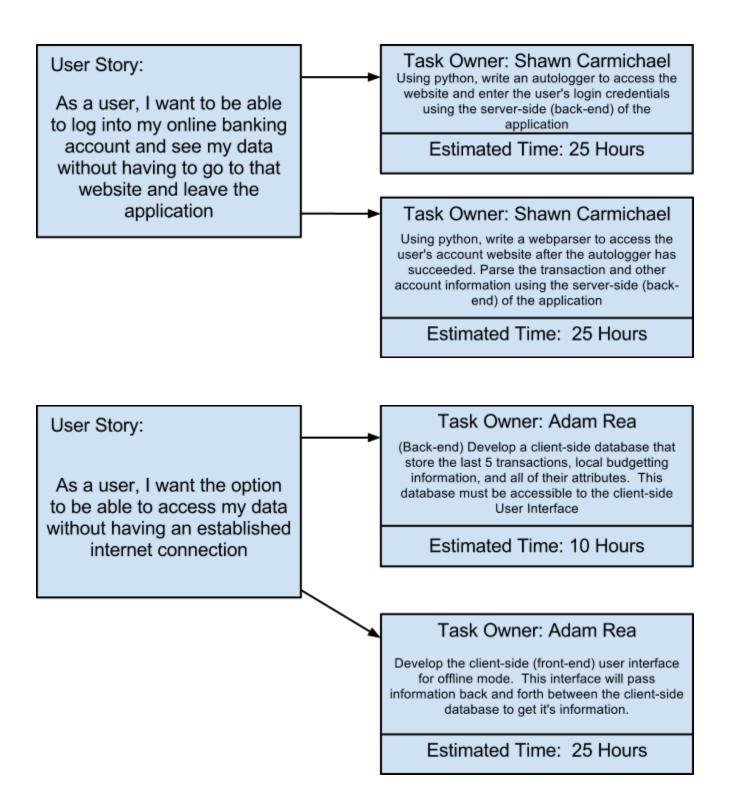
The purpose of this document is to detail our goals for our first Sprint iteration. We will give some background information on the project, provide the tasks/goals that we wish to complete in this Sprint (most in the form of user stories), detail who will be working on each task, and estimate the amount of time required to adequately complete each task.

The purpose of our project is to provide users a convenient way to track their Purdue Federal Credit Union (PFCU) accounts, analyze spending, and plan personal budgets - all from a mobile phone.

Background Information

So far, our group has made a Problem Statement highlighting the goals of our mobile application. We have made a Product Backlog, that detailed the requirements and "user stories" that we plan to implement with our project. As well, we have made a Design Document, that detailed the priorities of the application, design decisions, design issues, class diagrams of the system, entity diagrams of the system, state diagrams, sequence diagrams, and graphical user interface mockups for the project.

<u>Use Cases</u> <u>Tasks</u>



User Story:

As a user, I want to have my transaction data stored in the background and have it available when I need it

Task Owner: Seth Butts

Develop a server-side database (back-end) that stores the last 50-transactions, user budgeting information, vendor and category relationships, user information, and transaction portioning. This database must be accessible to the client-side User Interface (front-end) for display

Estimated Time: 15 Hours

Task Owner: Seth Butts

Using TCP/IP server/client API's, a network must be established between the server and the client to pass information back and forth. The goal is to develop a function for the server to pass and receive data to and from the client (back-end)

Estimated Time: 15 Hours

User Story:

As a user, I want to be able to enter my login credentials from a welcome screen when I start up this application

Task Owner: Drew Ruberson

Develop the front end login user interface with Android XML. This must be both appealing and not cluttered. All buttons will correctly navigate the user to the appropriate front end interfaces.

Estimated Time: 15 Hours

User Story:

As a user, I want to be taken to a welcome screen after I log in, where all functions of the application are apparent and selectable from this interface

Task Owner: Drew Ruberson

Develop the front end welcome screen user interface with Android XML. This must be both appealing and not cluttered. All buttons will correctly navigate the user to the appropriate front end interfaces. This will include transaction log, budget, settings, and log out.

Estimated Time: 15 Hours

User Story:

As a user, I want to be able to select whether or not to enable offline mode

Task Owner: Drew Ruberson

Develop the front end Offline Settings user interface with Android XML. This must be both appealing and not cluttered. All buttons will correctly navigate the user to the appropriate front end interfaces. This includes a radio button for offline mode, back, and log out.

Estimated Time: 5 Hours

User Story:

As a user, I want to be able to analyze my spending information through a visual representation via pie chart and edit my budget.

Task Owner: Austin Miller

Develop the client-side (front-end) user interface for the budgeting menu using Android XML. This menu will display budgeting information passed from the server (back-end) in a pie chart, which breaks down user spending. Since the budgeting information is reliant on the server, and the server is not yet complete, the budgeting data will be hard-coded in order to create graphs.

Estimated Time: 20 Hours

Task Owner: Austin Miller

Develop the client-side (back-end) functionality of the buttons in the budgeting menu. This includes buttons to redirect to different menus, logout, and edit different aspects of the budget.

Estimated Time: 10 Hours

User Story:

As a user, I want to be able to access my current balance and view my most recent transactions.

Task Owner: Andres Bravo

Develop the client-side (front-end) user interface for the transactions menu using Android XML.

This menu will display the user's past five transactions passed from the server. The transactions will simply state the vendor where the transaction took place, the price of the transaction, and the balance after applying the transaction. Since this part of the project is reliant on an incomplete server, transaction information will be temporarily hardcoded for display.

Estimated Time: 15 Hours

Task Owner: Andres Bravo

Develop the client-side (back-end) functionality of the buttons in the transactions menu. This includes buttons to redirect to different menus and logout.

Estimated Time: 10 Hours