CS-451 Group 2

Commerce Bank Project

Project Purpose

Stakeholders and Expectations:

Developing Team: We hope, if we needed to ask a question regarding the software requirements and/or garner feedback on how the product is coming along, that the team at Commerce Bank sponsoring the project would be available for us to do so.

Commerce Bank: Gain the ability to communicate and enhance their clients' experience with the bank by providing them with a web application.

Problem or opportunity addressed:

Clients at Commerce Bank will be able to quickly check the details of their transactions that have been made inside of their accounts. They will also be able to set notification rules for said transactions so that they can be alerted whenever the notification rule has been triggered. As Commerce Bank clients adapt to using this web application, this will also provide valuable autonomy for the company.

Goals and Objectives

Goals:

1. Make the web app fully responsive (looking and responding well on both desktop and mobile)
2. Allow users to set and customize their notification preferences
3. Allow users to view a summary of transactions
4. Allow users to add transactions
5. Allow user to create a customized report of their transactions and export that report into a spreadsheet (likely csv)
6. Have web app running on AWS (*stretch goal).

Success or Fail:

1. 80% Success
2. Success
3. Success
4. Success
5. Success
6. Fail

Success Criteria

Criteria

1. Users are able to accomplish all actions outlined in requirements
2. User are able to make transactions
3. Able to check balances and generate transaction reports
4. Users should be able create notification rules
5. Website should be responsive on both desktop and mobile

Success or Fail:

1. Success
2. Success
3. Success
4. Success
5. 80% Success

Nonfunctional Requirements

1. Users should be able to navigate and operate core functions of the website without reference to a manual.
2. System shall support multiple concurrent users up to 100 with no perceived performance hit for the end user.
3. All transactions shall be conducted through forms as opposed to direct databases access.
4. All transactions shall be logged in a history for review.
5. Users shall only be allowed to deposit or deduct transitions from their own account.
6. Client's bank account or personal information won't be visible to other clients.

Success or Fail:

1. Success
2. Untested
3. Success
4. Success
5. Success
6. Success

Architecture - Server/Client

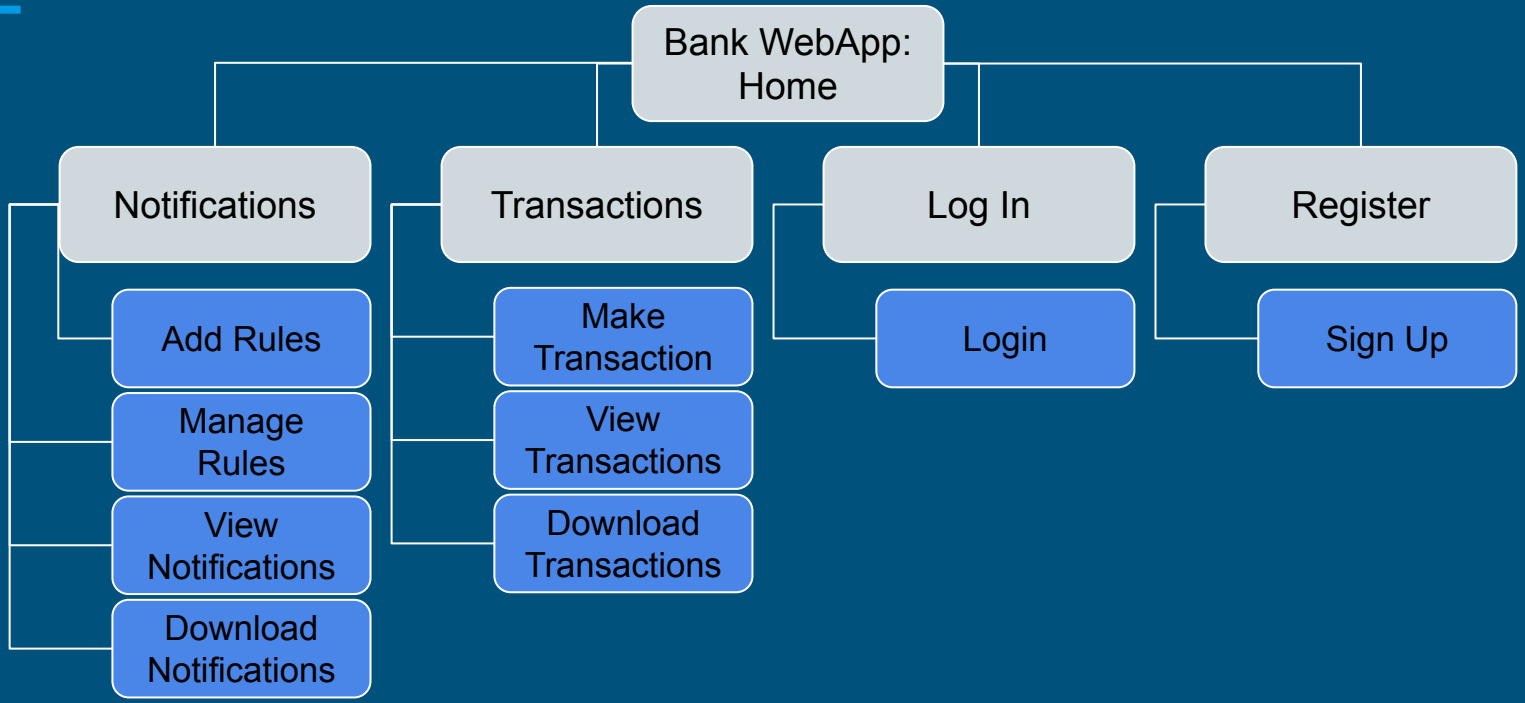
Front-End:

The front is is an Angular powered interface. As such, the code is comprised primarily of components that can be loaded and reused inside of each other. Data is provided to the front end using an API call to the back-end.

Back-End:

The back-end is an API design that consists primarily of a Node.js server. This server sits between the front end and a mongoDB database. The database holds all user information and transaction data.

Site Map


Bank WebApp: Home
Notifications
Transactions
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Register
Add Rules
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