

Team Financially Illiterate™'s Financial Planner

Technical Documentation

- **Explanation how it is deployed**
 - **Setting up DB (incl. Stored procedures)**
 - **Deployment of both ends**
- **hardware/technology**
 - **Staff?**
 - **Support?**

Technologies Used

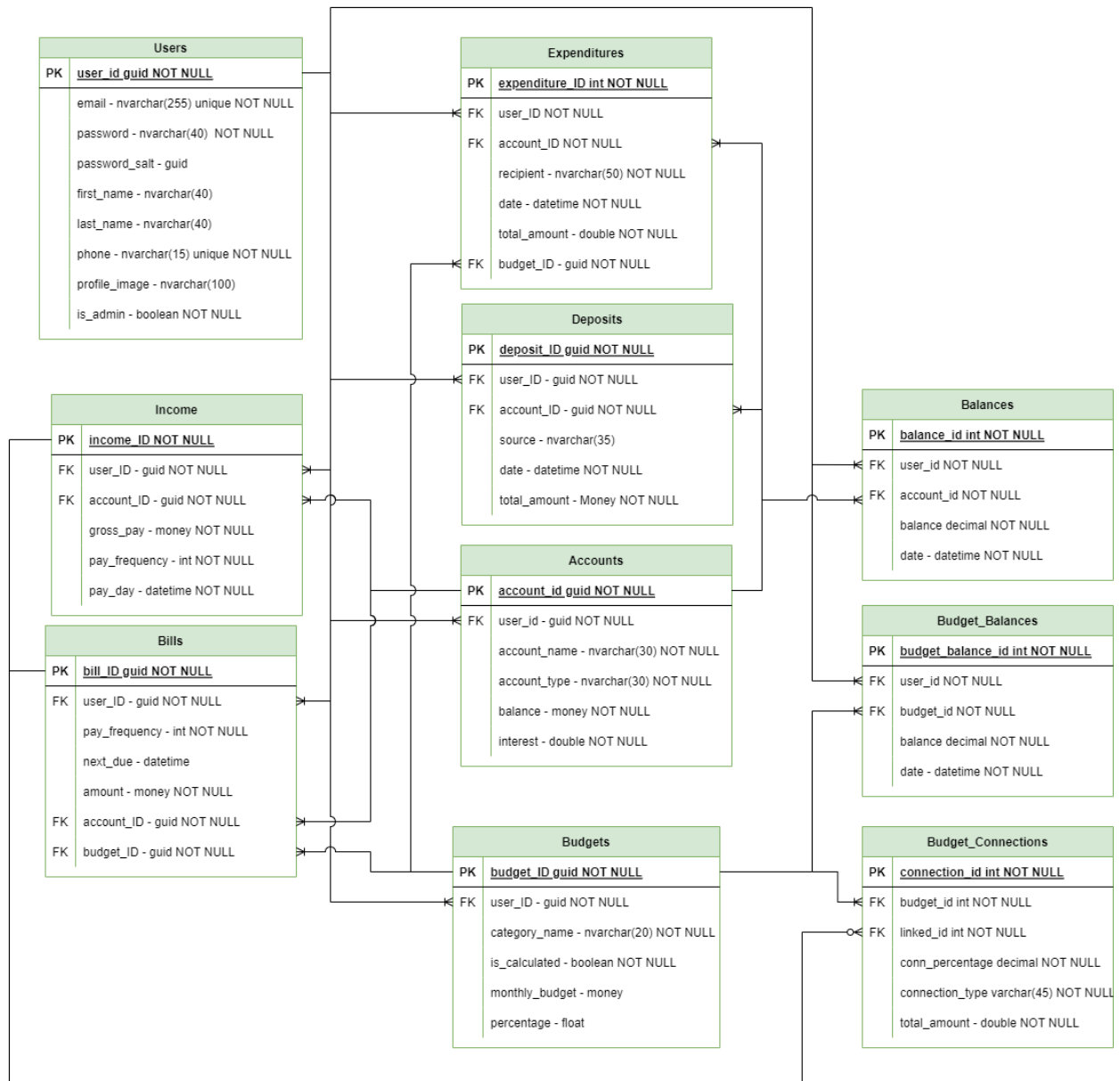
- **Application**
 - React
 - Node
 - Express
 - Json Web Tokens
 - Bootstrap
 - Plotly
 - MySQL
- **Deployment**
 - Heroku
 - AWS Relational Database Service (MySQL)
 - MySQL Workbench

Deployment Requirements

- 1 AWS RDS Database
- 2 Heroku Deployment Instances (Dynos)

Database Setup

The following Entity Relationship Diagram serves as a guide for the database layout:



Additionally, the client source files contain a folder of stored procedures. Each of these files contains all of the code to create the corresponding procedure, aside from delimiters which should surround that code. There is also one file, titled Create_Snapshot_Event.txt, which contains the code to set up automatic logging of account and balance totals. This does not need delimiters.

Heroku Deployment

Front End

The site's front end, located in the client folder of the source code, should be deployed to its own Heroku dyno. As the latest Heroku node stack does not support static sites as found with the React.js framework, it should be downgraded to version 20. This can be done with the following CLI command: `heroku stack:set heroku-20 --app financialplanner`.

The buildpack to be used is located at github.com/mars/create-react-app-buildpack. The string to be added as the buildpack location is `"mars/create-react-app"`. Though this buildpack has been marked as deprecated, it will still work for the time being.

Back End

Update Procedures

- Frontend
- Backend