

Team Financially Illiterate™'s Financial Planner

Technical Documentation

Technologies Used

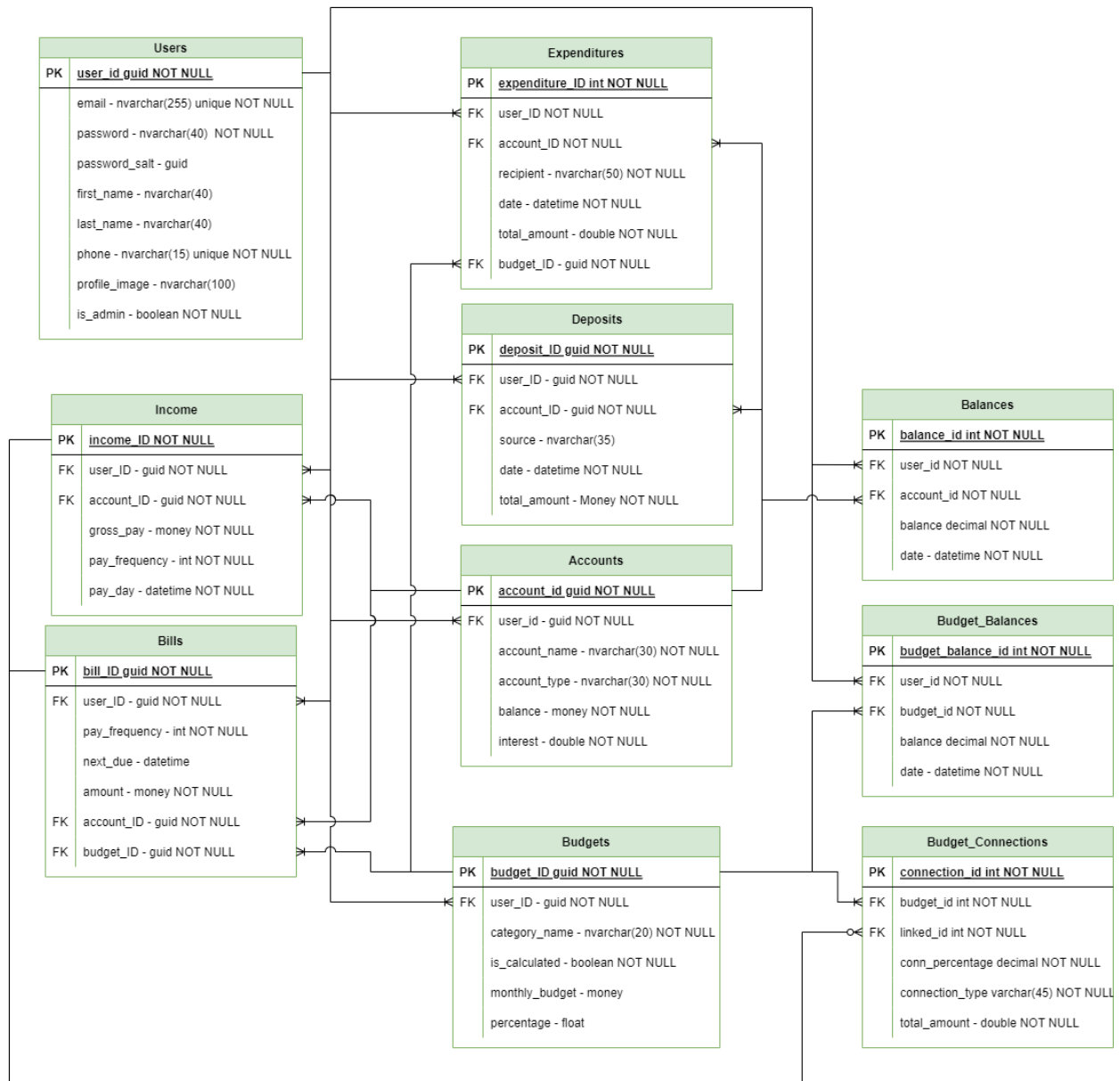
- Version Control
 - Git with Github
- Application
 - React
 - Node
 - Express
 - Json Web Tokens
 - Bootstrap
 - Plotly
 - MySQL
- Deployment
 - Heroku
 - AWS Relational Database Service (MySQL)
 - MySQL Workbench

Deployment Requirements

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

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

Setting Config Variables

Personal > financial-planner-app

☆ Open app More

Overview Resources Deploy Metrics Activity Access Settings

App Information

App Name

financial-planner-app

Region

United States

Stack

heroku-22

Framework

Node.js

Slug size

77.5 MiB of 500 MiB

Heroku git URL

https://git.heroku.com/financial-planner-app.git

Config Vars

Reveal Config Vars

Config vars change the way your app behaves. In addition to creating your own, some add-ons come with their own.

Setting Buildpack

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Buildpacks

heroku/nodejs

Add buildpack

heroku/nodejs

X

Buildpacks are scripts that are run when your app is deployed. They are used to install dependencies for your app and configure your environment. [Find new buildpacks on Heroku Elements](#)

Git Deployment

Deploying to Heroku using git:

Install the Heroku CLI

Download and install the [Heroku CLI](#).

If you haven't already, log in to your Heroku account and follow the prompts to create a new SSH public key.

```
$ heroku login
```

Clone the repository

Use Git to clone financial-planner-app's source code to your local machine.

```
$ heroku git:clone -a financial-planner-app  
$ cd financial-planner-app
```

Deploy your changes

Make some changes to the code you just cloned and deploy them to Heroku using Git.

```
$ git add .  
$ git commit -am "make it better"  
$ git push heroku master
```

Front End

The site's front end, located in the client folder of the source code, should be deployed to its own Heroku dyno using git. 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

The site's back end, located in the financial-planner-backend folder, should be deployed to its own Heroku Dyno. The Heroku/nodejs build pack is required to run the backend successfully. This can be configured in the Heroku application settings. Database Connection information is set on Heroku in the Config Vars section of the application setting.