

Design Document

Main Functionality

User can log cumulative expenses that are tax deductible, export it to a formatted pdf, and visualize expenses in a simple and intuitive dashboard.

Why is the problem important?

The purpose of a tax deduction is to "decrease your taxable income, thus decreasing the amount of tax you owe to the federal government". According to H&R Block, over 4 million people don't claim eligible tax deductions.

What can be deducted?

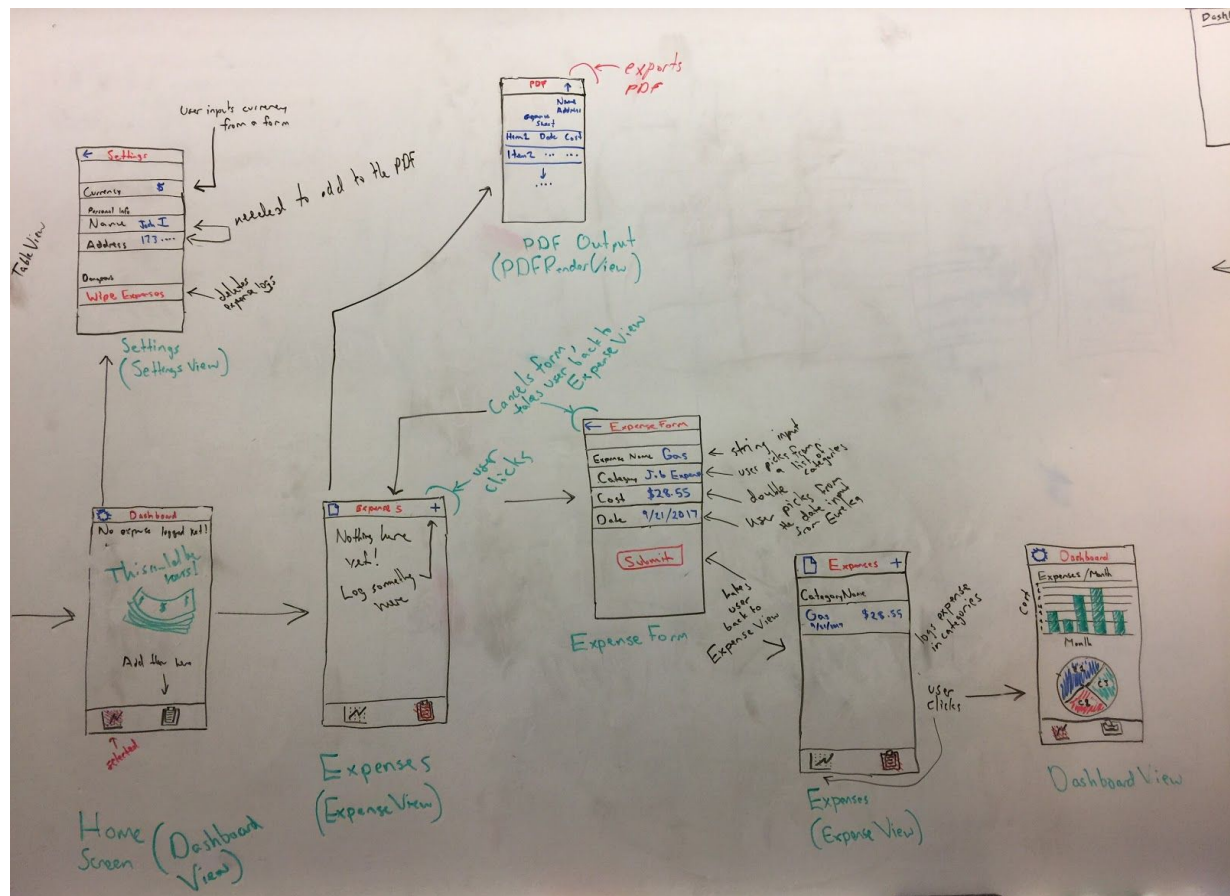
- job expenses not reimbursed by employer
 - union dues, uniforms, gas and car repair
- student loan interest that parents pay
- self-owned business
 - office equipment, sales tax on business purchases, health insurance premiums
- hybrid car tax credit
- Charity
- theft and casualty
 - unexpected loss of property from natural disaster, fire
- home mortgage interest
- state and local income or sales tax paid
- personal property tax
- real estate taxes and points
- gambling losses

There are restrictions on what can be deducted, but the main point to be made is that there are a large number of people that could benefit from logging expenses and this app aims to provide this service. The user is warned to keep all receipts for verification.

What the app contributes

1. Form for user input
 - a. Item Name
 - b. Category of Expense
 - c. Date
 - d. Cost
2. PDF Rendering
 - a. Takes the form and embeds the info inside of a HTML template
 - b. Renders PDF on device
 - c. Gives user the option to export the file or delete
3. Dashboard
 - a. Bar chart displaying the total costs per month
 - b. Pie chart displaying the breakdown of total expense in terms of category of expense

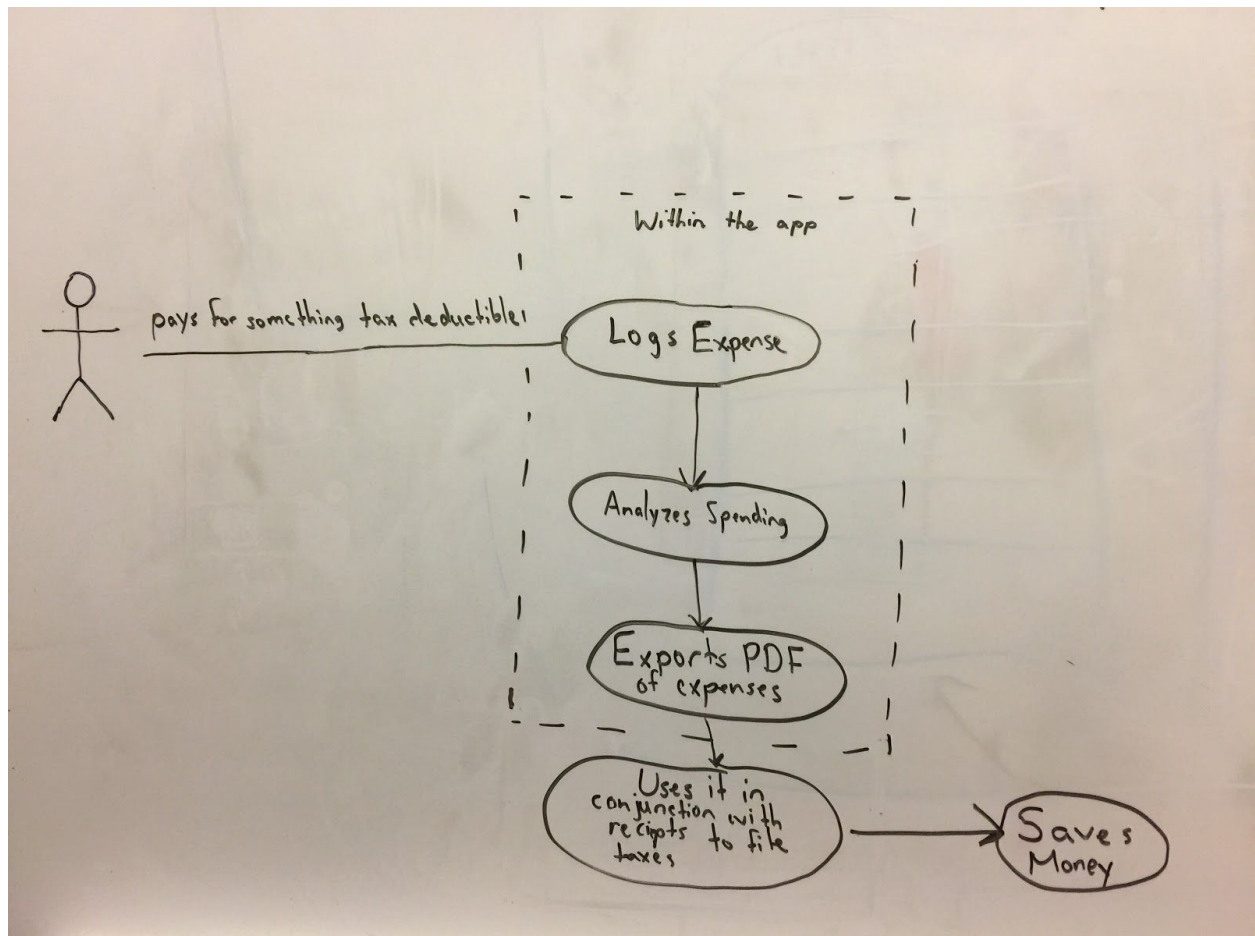
Wireframe of the app



Frameworks used

- Eureka
 - Form design
 - <https://eurekacommunity.github.io>
- Charts
 - Dashboard graphs
 - <https://github.com/danielgindi/Charts>

Use Case Diagram



Activity Diagram

