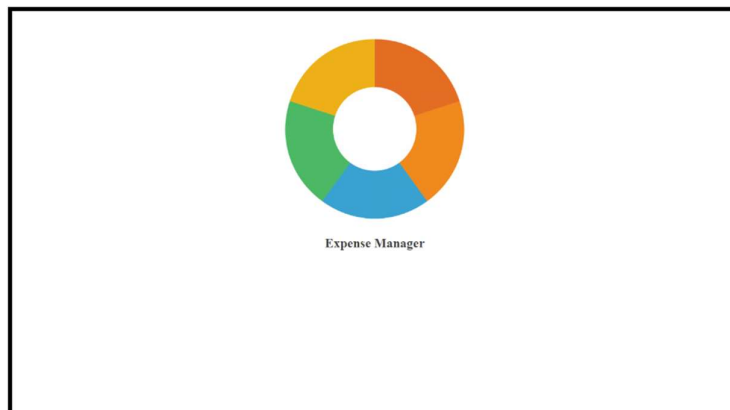# Expense Manager

This application keeps a record of your daily expenditure on various category of items, and displays it in the form of an organised data. It also provides the statistical and graphical representation of your daily and monthly expense for an easy analysis.

Structure

The application is mostly based on HTML, CSS and JavaScript, but I've used a bit of PHP to store the data from a local browser-based (IndexedDB) database to permanent server-based (SQL) database. The HTML pages are **splash.html** which have the code for splash screen that appears in the beginning for 3 seconds, **add.html** (Update List) which contains two collapsible buttons to open the forms for adding categories and elements other data to a particular category, **Index.html** (Dashboard) where all the data is displayed in the tabular form and **stats.html** (Stats) where the data is plotted in the graphical and statistical form. There are is an image folder which contains the favicon/logo of the application. There are two CSS files namely **bootstrap.min.css** which contains the code for responsiveness of the pages, and **offcanvas.css** which has the code for styling of elements on these pages. And there are three JavaScript files namely **bootstrap.min.js**, **feather.js** which has the code for functionality of some CSS elements and **main.js** which has the code for the whole functionality of the application. There are two PHP files as well, **config.php** which has the code for connection with SQL database on WAMP and **sync.php** which has the code for synchronizing all the data to the permanent SQL database. And lastly there's a database.sql file for creating entries in the PHP database.

Functionality

Database in tabular form

Basically, app starts with the splash screen and then redirects to Dashboard which displays all the data in tabular form. There's a navigation sidebar on the screen which links to visit Update List (index.html), stats (stats.html). The other button in the navigation bar is **Clear Category** it is used to delete all the categories and delete all the entries corresponding to them. It is only used whenever you need to empty the table completely. On the top right corner of the page is a home button, which is further present on every page.
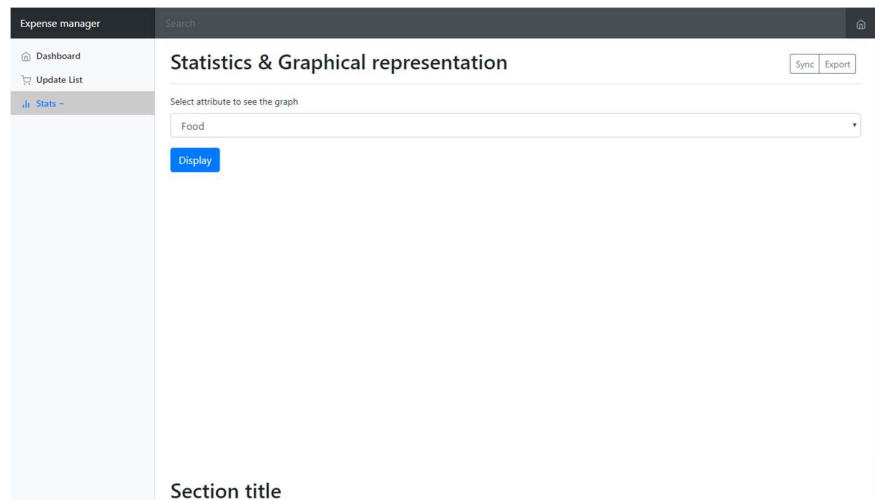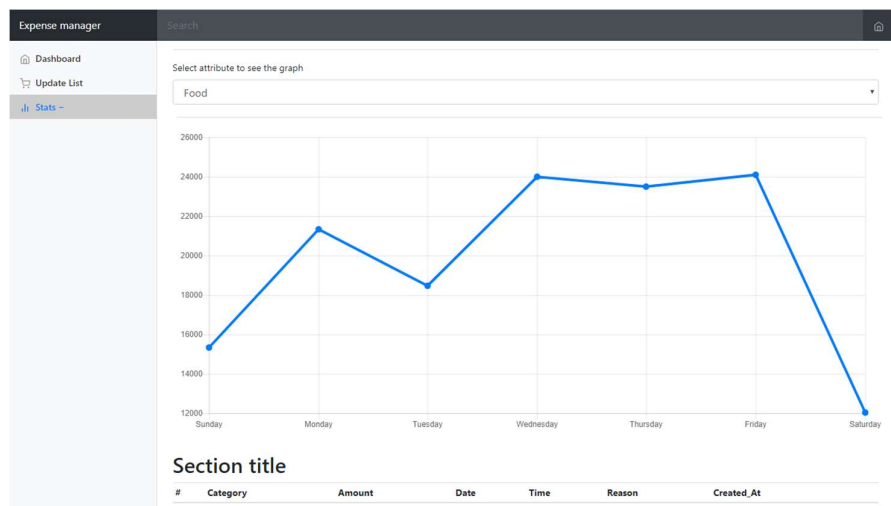

The Update List Page (add.html) has two forms namely **Add Category** and **Add Expense.** If the database is completely empty, you need to add a category first which will then appear in the

dropdown list seen in the second form. You can add all the fields in this form and then click at the add button which will redirect you to the Dashboard again where all the data is displayed.

Then it's the stats page which contains a dropdown input menu where all the categories are listed, and a display button. Select a category then click on display button, and the graph of daily/monthly expense is displayed on the page. At the bottom it displays all the data of that category in the tabular form. There are two buttons on the top-right of the page namely, **Sync** and **Export.** The sync button stores all the data into a permanent SQL database, and the Export button exports all the data in a csv file with name **expense** and downloads it in your computer.

Accessibility

You can find all the files here: https://git.io/vARgh

This is a GitHub repository link with name Assignment_Innovaccer, this repo contains all the application files. The IndexedDB database can be created by just running the application, but the SQL database needs a local server, I prefer WAMP SERVER for building a local area network LAN- server.

Creating server is not mandatory, the app can be used without a server. If you want to sync the data to a permanent SQL database please follow the steps below.

Steps: - Install Wamp server in your computer -> go to the wamp folder in the windows local disk of your computer (mostly Local Disk C:) -> replace all the content of '**www**' folder in the wamp folder, with the content of the Assignment_Innovaccer repo -> run the wamp server and open the app -> create a database and sync it to the permanent database -> type localhost/phpMyadmin in your address bar and then you can access the SQL database -> go to http.config in wamp folder and replace the index.html with splash.html so the app starts with the splash screen.