WEB-BASED SYSTEM DEVELOPMENT

6th December 2021- 7th January 2022

ORGANISED BY UNIVERSITI TEKNOLOGI PETRONAS

FINAL PROJECT PRESENTATION

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What is the problem?

There is a need for you to track your expenses/money outflow.

You want to know what you have spent for.

To avoid overspending.

Competitive Market Research on the best expense tracker app in 2022

App Name	**Mint**	**Goodbudget**	Spending Tracker
Features	• Records income, expenses, savings goals, credit score, investments, net worth. • Tracks budgets, bills and spendings. • Manage your subscriptions (Netflix, Amazon)	• Record income, expense, debt and savings. • Income vs spending report. • Debt progress report.	• Log expense and income (sort by date, name or amount). • Generate reports by expense category. • Tack your spending weekly, monthly or yearly
Price / monetezation scheme	• Free (includes add) • In-App purchases: Add-free : $0.99 Premium: $4.99-$34.99	• Ad-free version with limited features. • In-app purchases: (more features included) , $7 per month or $60 (monthly or annual subscription)	• Free (includes add) • In-App purchases: $2.99
Last Updated	Jan 3, 2022	Jun 8, 2021	Jun 28, 2021
Ratings	4.8/5	4.7/5	4.8/5
Downloads	100,000	40, 000	30, 000

What are users' review on the existing apps in the marker?

App	Reviews:
Mint	**Mary-Grace Terwilliger** ★★★★★ December 13, 2021 2 One of my favorite apps, especially for managing money and keeping myself on track I love the cumulative overview of all my accounts, investments, and assets. Also obsessed with the breakdown of monthly spending categories. So addictive for any personal finance addicts. **Paul Stark** ★★☆☆☆ December 27, 2021 2 The old app was way more useful. The new one is so limited in functionality I find myself frustrated every time I use it. Graph manipulation, e.g. changing time scales is one example. It has become so curated it makes data exploration impossible. **Larry** ★★★★☆ December 14, 2021 Great app. Collects data help you keep insite of your money set budgets. Balances etc. Wish more companies would let this connect to to keep updated balances. **Mat A** ★★★☆☆ December 29, 2021 It gets really annoying having to update the app every week. On top of that it forgets my password and disables fingerprint every time. Ive spent more time updating and logging into the app than i have actually using the app
Goodbudget	**Mitty Blair** ★★☆☆☆ December 23, 2021 12 Only allows for 10 free envelopes, otherwise you have to pay. Won't allow you to change how much is in that envelope without deleting the envelope and redoing it. Not worth it if you have more than 10 things your budgeting for monthly. **Joshua Flowers** ★★☆☆☆ September 21, 2019 5 Really outdated UI (entering numbers, for example, still uses an on screen calculator view instead of your keyboard). UI isn't necessarily intuitive, there set up steps aren't fully explained so I have no idea if it's doing what I think it's doing. Also, no way to see a month to month view. This is more of a snapshot of current month only. I think I'm better off in Excel.
Spending Tracker	**Lamorn Malone** ★★☆☆☆ December 30, 2021 3 Decent ago with 2 major issues... Ok budget tracker which does a decent job of sitting tracked spending habits. I have 2 major issues with this app... 1. I wish there was a way to amend the current balance in real time. 2. (My biggest beef) is a way to sync apps across multiple platforms (in my case, windows 11 and Android). I can't sync the app between Android and windows, despite upgrading to pro on my Android device. **Truett Bryant** ★★★★★ November 21, 2021 29 Spending Tracker is easy to use and does what I need to track my expenses. I have tried using excel and other spreadsheets on my phone but they are way too "busy" and formatting doesn't transfer between platforms very well. The only problem I have with this app, as do many others, is with the one an...

What could be inferred from the market research?

WHAT USER WANTS?

Users demands a simple application that mainly allows the user to record and keep track of their expenses.

Users enjoy the visualization/ reporting feature in the app.

Users face problems due to the complexity caused by additional features in the application such as syncing options.

LIMITATION

My Expense Tracker

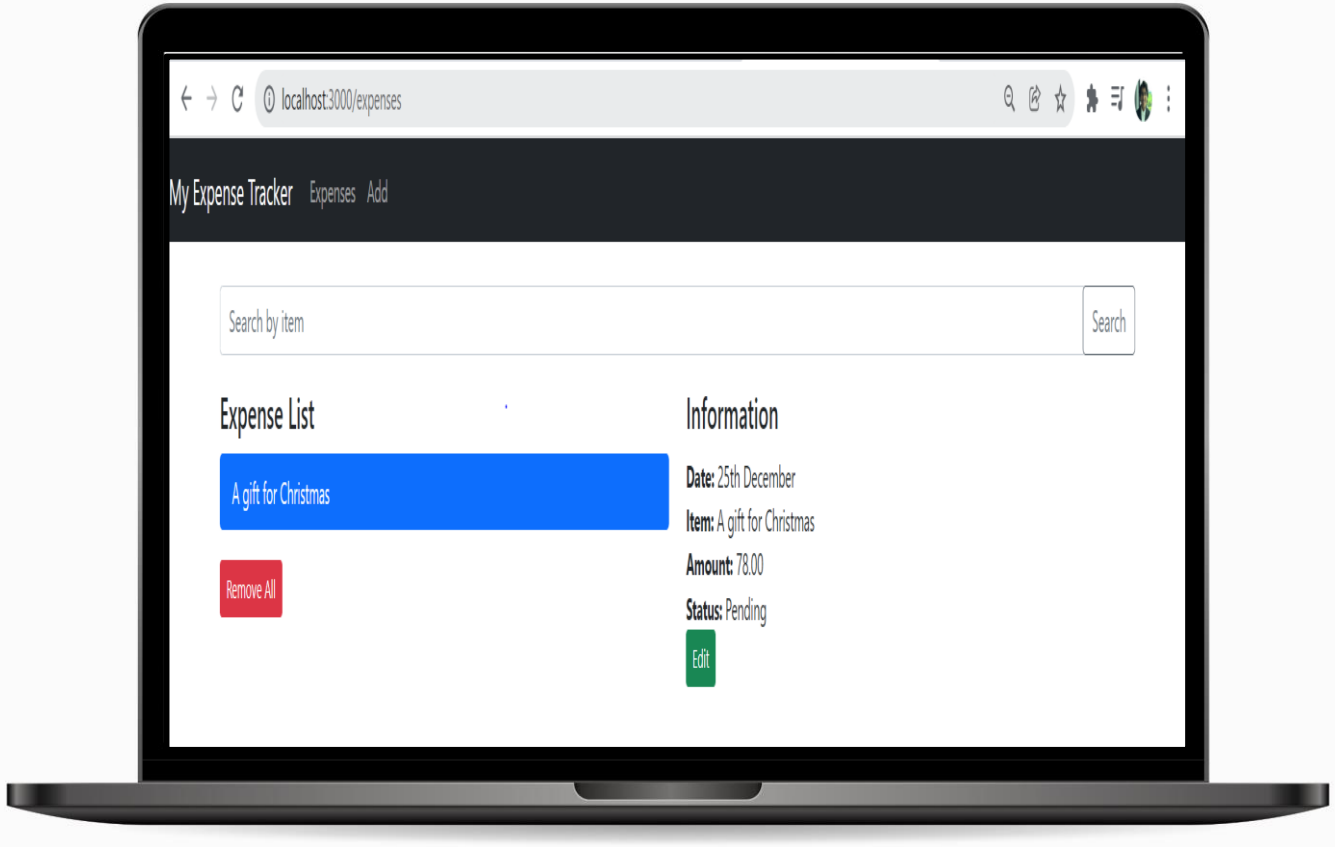
The Only Expense Tracker You Will Need In Your Life !!

INTRODUCING OUR NEW WEB-APP

My Expense Tracker

The Only Expense Tracker You Will Need In Your Life !!

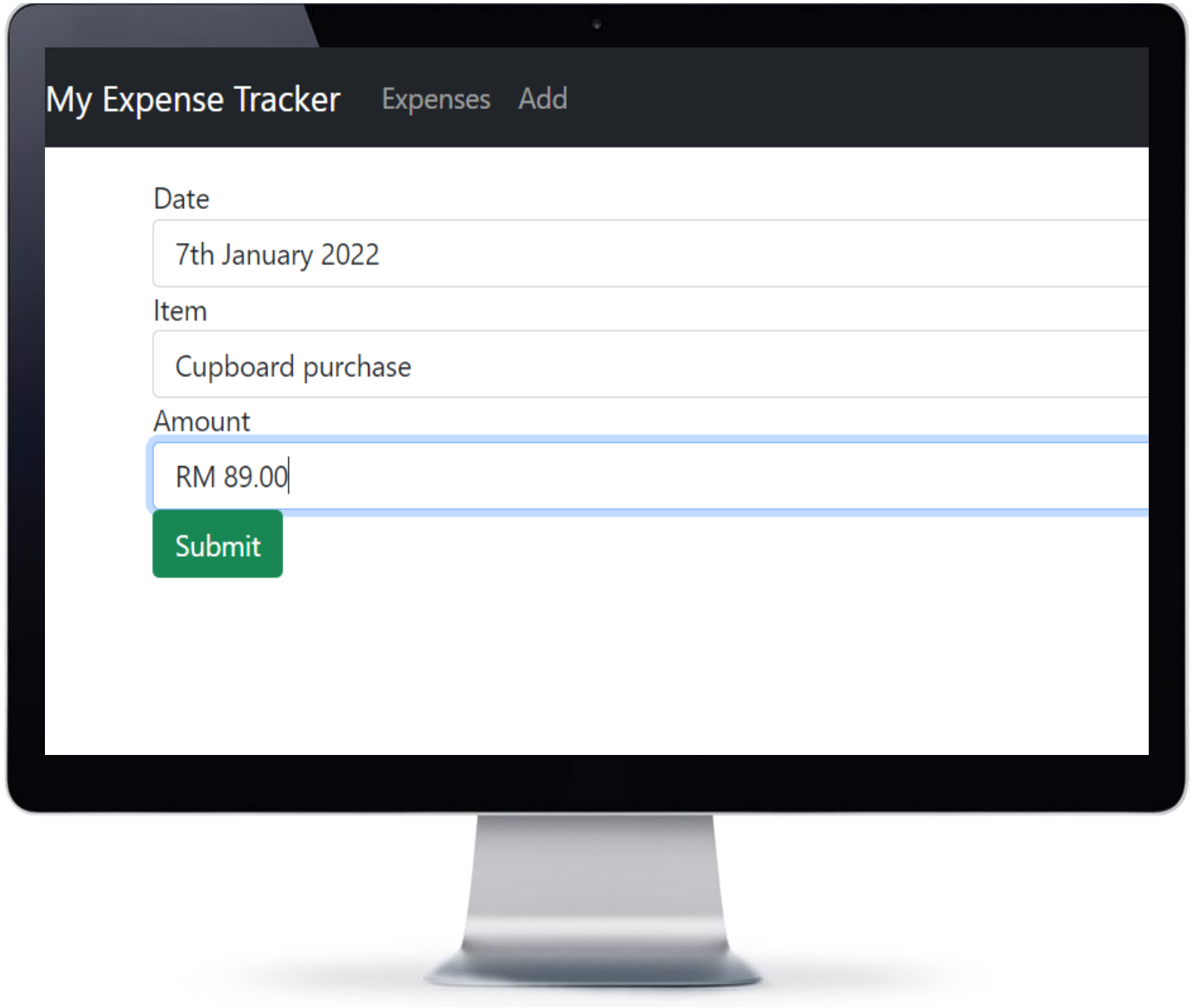
UI DESIGN



What are the features of "*My Expense Tracker*" ?

RECORD YOUR EXPENSES

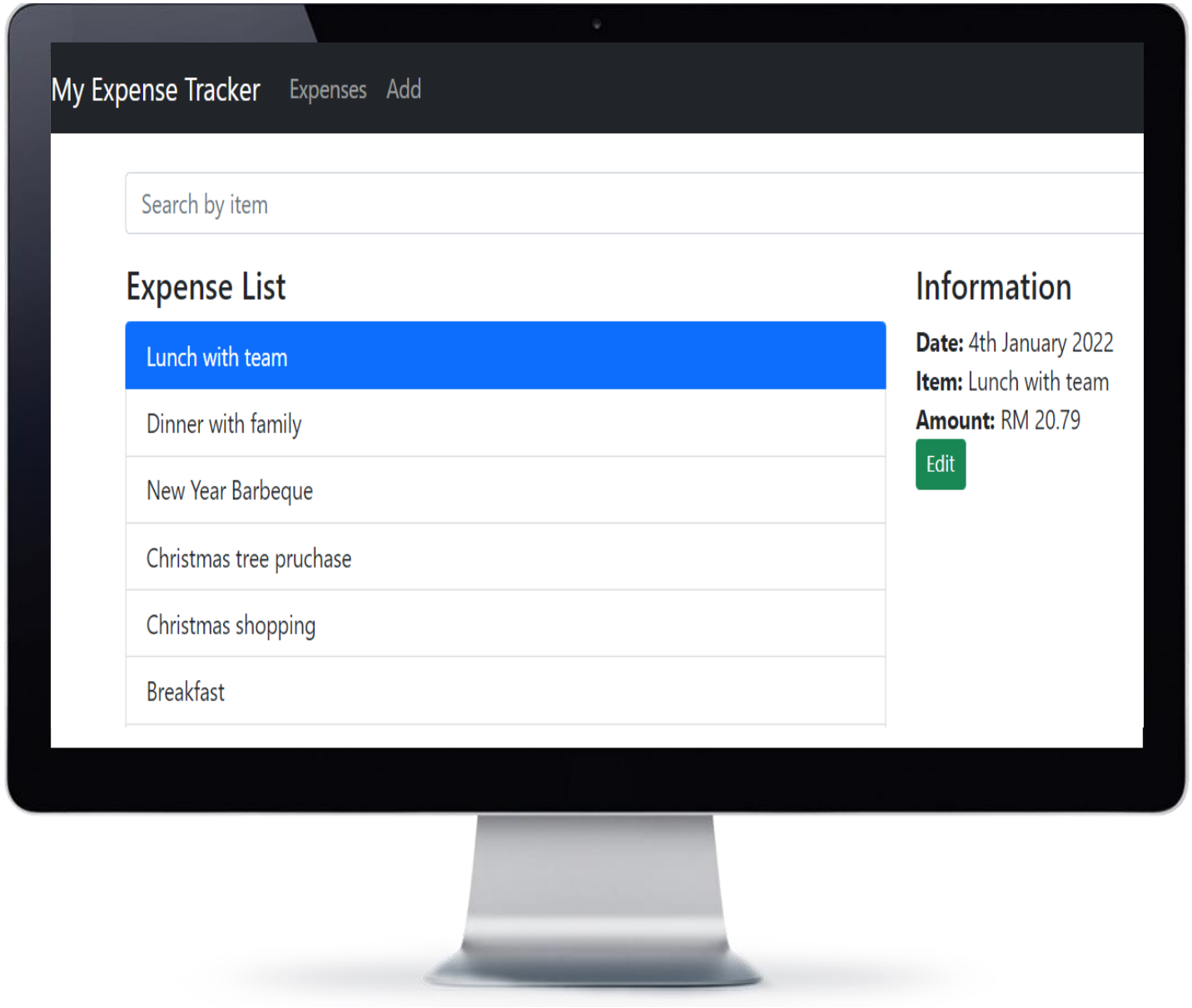
- **Date**
- **Item**
- **Amount**



What are the features of "*My Expense Tracker*" ?

SEARCH FOR THE EXPENSES MADE

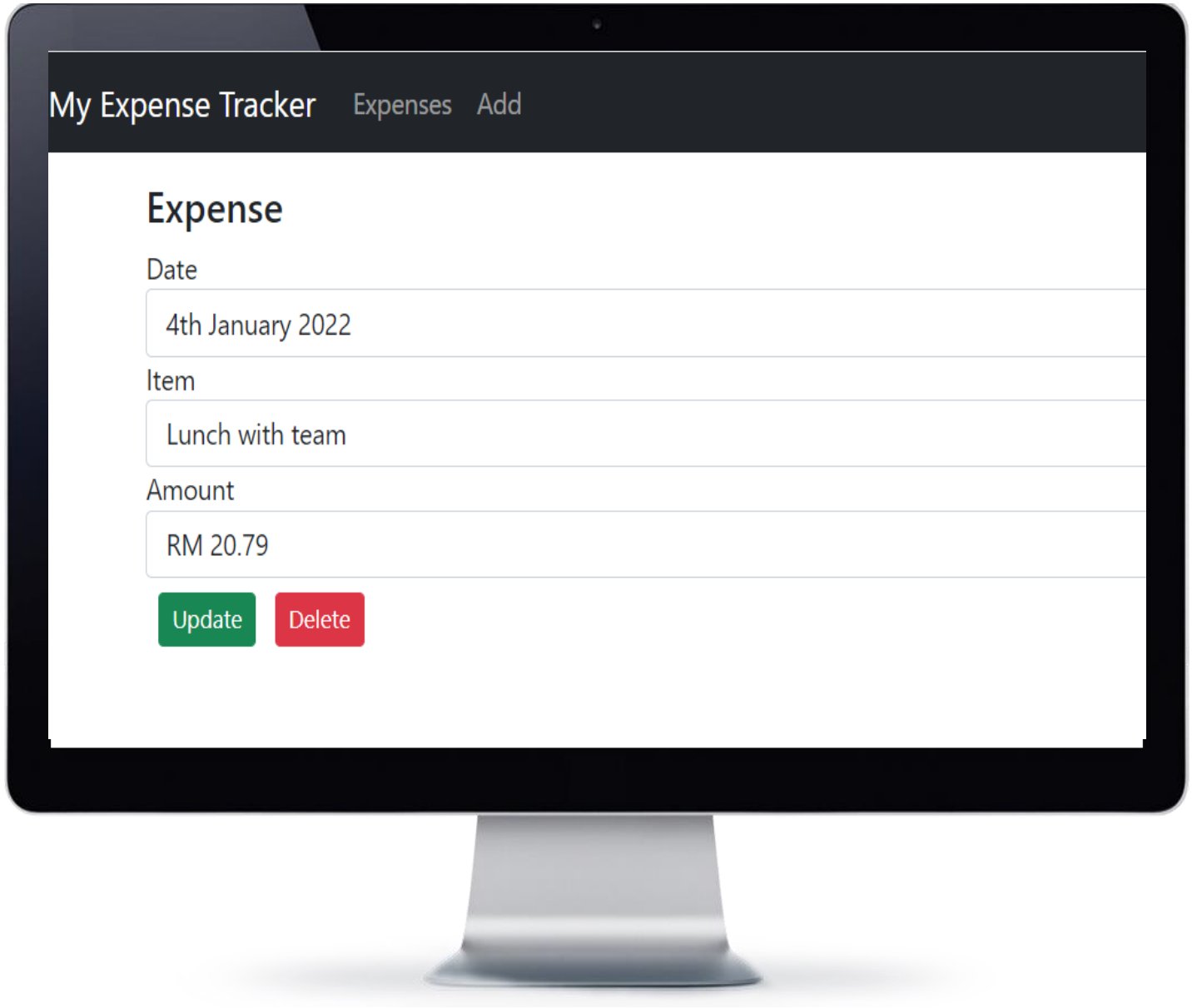
VIEW DETAILS OF YOUR EXPENSES AT JUST ONE CLICK



What are the features of "*My Expense Tracker*" ?

EDIT YOUR EXPENSES

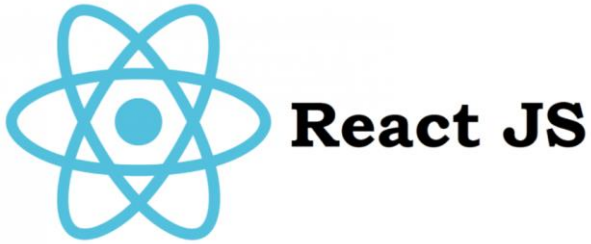
- **UPDATE**
- **DELETE**



Technicalities used to develop "*My Expense Tracker*"

- **Visual Studio Code**

- **Frontend technologies:** React-typescript template, bootstrap, react-router, react-router-dom, axios



- **Backend technologies:** Node.js, express, sequelize, mysql2, body-parser, cors modules

- **Database technologies:** MySQL Workbench

- **Testing:** ngrok, postman

- **Deployment:** GitHub

Testing *"My Expense Tracker"*

Test the APIs of the system.

Test the user interface of the system.

http://9907-118-100-73-141.ngrok.io

Share the system developed in my local server by generating a public URL through ngrok.

Temporary access to the system while the tunnel is open at my side.

Reference: https://www.sitepoint.com/use-ngrok-test-local-site/

Link to test in Postman: http://9907-118-100-73-141.ngrok.io/api/expenses/

Limitation/Review on "*My Expense Tracker*"

Functionality

- "Search by date" rather than "search by item".
- Add in feature to categories expenses, i.e category by food, clothing or bills.
- Add in feature to generate reports.

User interface

- Incorporate a logo.

Deployment "*My Expense Tracker*" ?

WANT TO SEE A DEMO?

https://github.com/ShantiniSekaran/webdevproject

THANK YOU !