

**CSC 510 - SOFTWARE ENGINEERING**

**PROJECT -2 REPORT**

**GROUP - 70**

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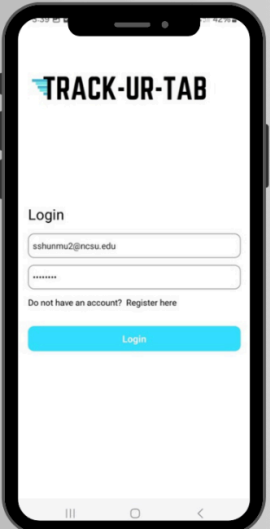

**Github repo link: <https://github.com/SKS2024SE/Track-Ur-Tab/>**

## Poster:

# TRACK-UR-TAB

GROUP: 70  
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SANDHIYA SHUNMUGAVEL





## NEW TRACKS! SMARTER TABS! FRESH LOOKS!

- **Cross-Platform Compatibility:** Accessible on multiple devices, ensuring you can track your expenses anytime, anywhere.
- **Track your expenses seamlessly:** Record personal or shared expenses trouble-free and accurately. Simply input the value and category of each transaction, making expense management smooth and straightforward.
- **Split Proportionally:** Accurately split group expenses- no more tedious calculations! Now, everyone pays their fair share.
- **Data Privacy & Security:** With MongoDB powering authorization, authentication, and real-time updates, your financial data is securely stored and always up-to-date.
- **Export Expenses:** Downloading expenses as a CSV file.

20+ TEST CASES

## NEXT-GEN TRACK UR TABS!

- Integrate TUT-bot to simplify expense tracking! With quick voice and text commands, users can effortlessly view expenses by month, category, or group without navigating complex menus.
- "Implement an OCR-based feature that lets users snap a photo of a cash receipt, automatically extracting key data to save input time and minimise errors."
- Integration with other E-commerce and Investment platforms
- Integrate a payment gateway for convenience while sharing expenses.
- O-auth 2.0 authentication and authorization.d
- With the virtual wallet, easily view how your expenses are split between multiple cards.
- Predict recurring expenses.





DEVELOPMENT AND INTEGRATION OF TUT-BOT

ABILITY TO DETECT PHYSICAL RECEIPT AND PERFORM OCR

PREDICTION OF RECURRING EXPENSES

IMPLEMENTATION OF VIRTUAL WALLET AND O2 AUTHENTICATION

DEPLOY AND USE TUT



DEMO VIDEO LINK



## Self Evaluation Table:

The full table can also be found at :

<https://github.com/SKS2024SE/Track-Ur-Tab/blob/main/Documentation/Rubrics.md>

Notes	Score	Evidence/Comments/Links
Video	3	<a href="https://youtu.be/eY8S-Q2oAFc">https://youtu.be/eY8S-Q2oAFc</a>
Workload is spread over the whole team (one team member is often Xtimes more productive than the others..., but nevertheless, here is a track record that everyone is contributing a lot)	3	All contributors have made significant commits in the codebase and every teammate has linked each commit to the relevant issue. -- <a href="#">Github Analytics</a>
Number of commits	3	Total 20 commits have been done to main -- <a href="#">Github Commit</a>
Number of commits: by different people	3	Contributions have been done mainly done by the 3 authors - <a href="#">App-Contributors</a>
Issues reports: there are many	3	Created 10 issues for every feature and each bug that was addressed and 3 remaining issues are open for future scope -- <a href="#">App - Issues</a>
Issues are being closed	3	Total 10 issues are closed as a part of this project after linking relevant commits to the issue.
DOI badge: exists	3	<a href="https://zenodo.org/records/10211911">https://zenodo.org/records/10211911</a>

Docs: doco generated, format not ugly	3	Documentation for the Python code related to each feature of the project exists on -- <a href="#">Documentation</a>
Docs: what: point descriptions of each class/function (in isolation)	3	Documentation for the Python code related to each feature of the project exists on -- <a href="#">Documentation</a>
Docs: how: for common use cases X,Y,Z mini-tutorials showing worked examples on how to do X,Y,Z	3	All this shown in the video and README.md file --
Docs: why: docs tell a story, motivate the whole thing, deliver a punchline that makes you want to rush out and use the thing	3	The why README shows why to use our product and why we have done certain changes.
Docs: short video, animated, hosted on your repo. That convinces people why they want to work on your code.	3	
Use of version control tools	3	Currently, Git is used as a version control tool.
Use of style checkers	3	Flake8 is used
Use of code formatters.	2	The use of Prettier has been done for code formatting in Visual Studio Code
Use of syntax checkers.	3	Flake8 is used

Use of code coverage	3	Codecov has been used to find code coverage -- Can be found in the github repo badges
Other automated analysis tools	1	
Test cases exist	3	Yes test cases exists, can be found here
Test cases are routinely executed	3	Yes, test cases executed before by the developer pushes to GitHub repo
The files CONTRIBUTING.md lists coding standards and lots of tips on how to extend the system without screwing things up	3	Contributing is updated with latest
Issues are discussed before they are closed	3	All issues are discussed before closing them for example <a href="https://github.com/SKS2024SE/Track-Ur-Tab/issues">https://github.com/SKS2024SE/Track-Ur-Tab/issues</a>
Chat channel: exists	3	Yes chat channel exists on WhatsApp. Here, are few attached screenshots where issues are being discussed
Test cases: a large proportion of the issues related to handling failing cases.	2	Issues were created for fixing test cases. For example . Currently, no testcases are failing.
Evidence that the whole team is using the same tools: everyone can get to all tools and files	3	Everyone has the same access to the repository and also have equal access to comitting to the repo. For security purposes and to ensure code in main always remains working we have rules set on main branch.

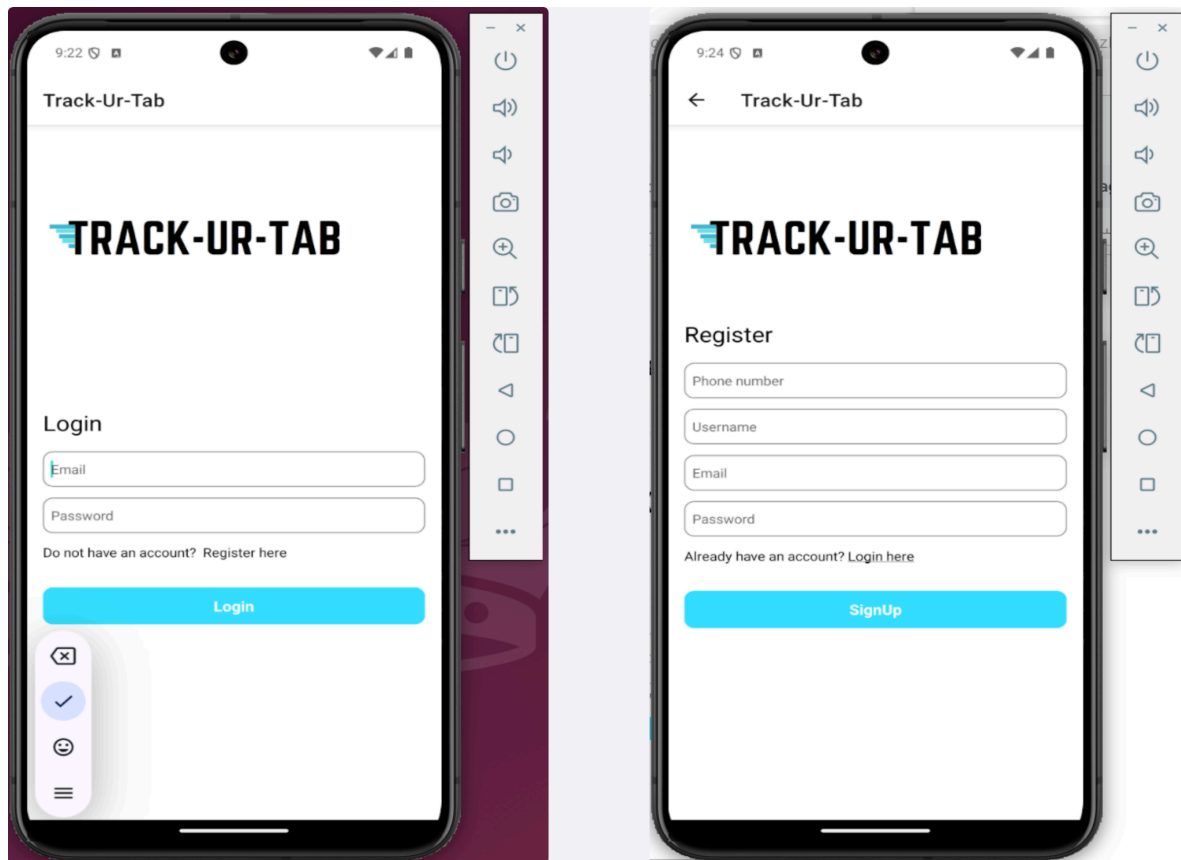
Evidence that the whole team is using the same tools (e.g. config files in the repo, updated by lots of different people)	3	Github showing different people committing to the repo
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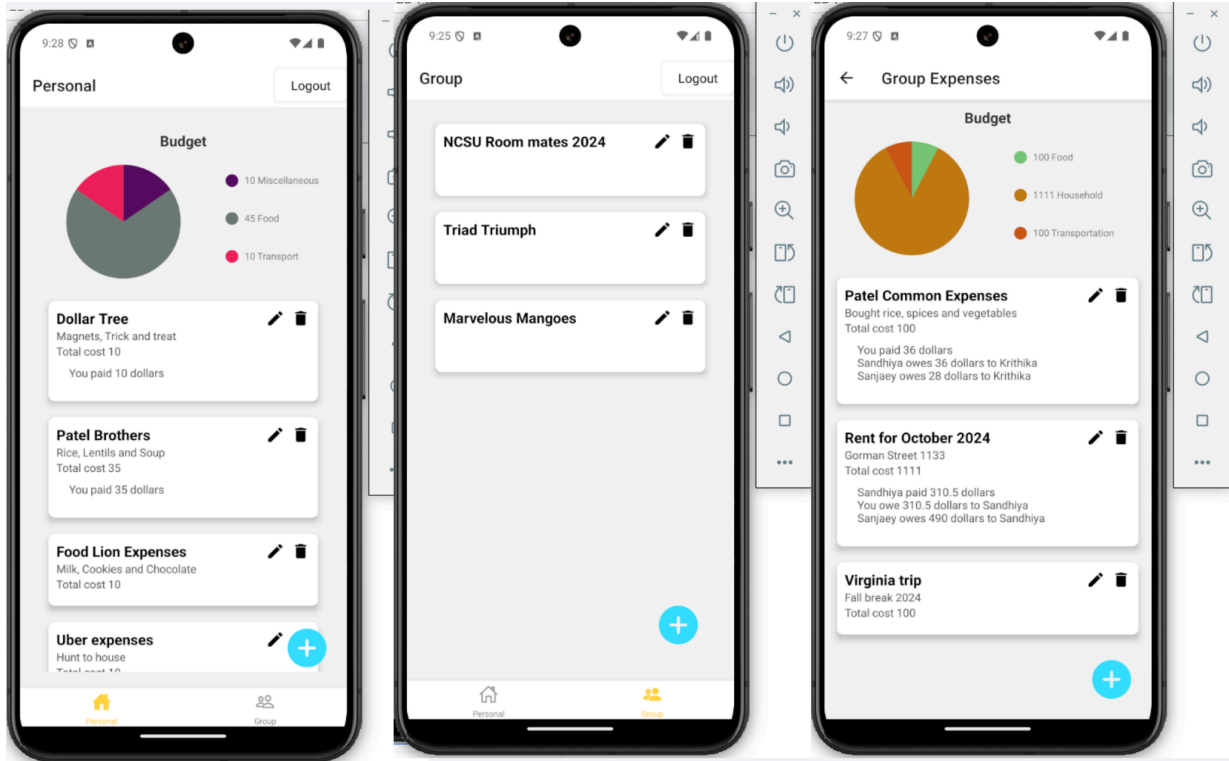
Evidence that the whole team is using the same tools (e.g. tutor can ask anyone to share screen, they demonstrate the system running on their computer)	3	
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Evidence that the members of the team are working across multiple places in the code base	3	
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Short release cycles	2	
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Screenshots of App running in real-time:







11:29

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Go to Expenses Page

Add Expense

0.00

Categories

Loan

Transport

Food

Education

Household

Health

Gift

Workout

Miscellaneous

Add a title

Add a note

SAVE

11:28

←

Go to Expenses Page

Add Expense

0.00

Krithika

0.00

Sanjaey

0.00

Sandhiya

0.00

Categories

Loan

Transport

Food

Education

Household

Health

Gift

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Add a title

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