American International University-Bangladesh (AIUB)

Department of Computer Science

Faculty of Science & Technology (FST)

Project Title: Amar Khata

Semester: Fall 25-26

Group:08		***Section: T***
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1. PROJECT PROPOSAL

The Amar Khata system connects three separate roles. The roles are the Business Owner, the Driver, and the Admin. The roles help to coordinate a thorough financial management workflow. As the strategic observer, the business owner uses advanced analytical tools to examine 12-month transaction trends, filter historical logs by keywords or dates, and break down income by category to identify top revenue sources. They also use a powerful dashboard to quickly visualize critical financial health indicators, such as total income, total expenses, and calculated net profit. Additionally, they keep complete control over reporting by creating and downloading comprehensive financial summaries in common formats, such as PDF or Excel, for external audits. They also control the security of their individual accounts and interface preferences by changing their passwords and customizing themes. To maintain accountability, the driver simultaneously manages the operational data entry and is in charge of growing the fleet by adding new cars to the system and entering vital driver information like name, NID, and phone number. As they choose vehicles to record income or expense entries, they play a crucial role in keeping accurate financial records. They make sure that every transaction is carefully classified with exact amounts, income types, dates, and optional notes for future reference. Lastly, the administrator maintains the integrity and security of the platform by using high-level privileges to monitor User Logs for suspicious activity by tracking IP addresses and timestamps, confirming the success or failure status of individual payment transactions to settle disputes, and using authority to manage the user base by suspending, banning, or reactivating accounts to enforce platform policies.

1.1 Background to the Problem

Financial tracking in Bangladesh remains mainly manual and fragmented in the transportation and vehicle management sector. Most of the vehicle owners and fleet operators use traditional paper notebooks (khatas) or disjointed spreadsheets to record daily trips, fuel consumption, and maintenance costs. As a result this backdated process creates a "financial blind spot," where data is prone to human error, physical damage, or loss. Besides, there is a significant disconnect between vehicle owners and drivers. Owners often lack real-time visibility in daily operations, leading to delayed accountability and an inability to calculate the accurate Net Profit until the end of the month. At present, digital solutions are available but sometimes too complicated, such as needing big app downloads, or don't support Bangla as a native language or work offline. This makes them useless for drivers who work in locations with unreliable internet connections.

1.2 Selection of Process Model

We used the Scrum model for the Amar Khata project because it made it possible for us to work in a flexible, organized, and collaborative manner all of which were crucial for creating a system with numerous user roles, real-time data handling, and intricate business logic. Scrum was the best development methodology for this project because it required frequent adjustments, gradual feature development, and ongoing feedback.

Financial tracking is still mostly done manually in Bangladesh's transportation and vehicle management industries. Traditional Khatas or dispersed spreadsheets are used by many car owners to keep track of daily income, expenses, and maintenance information. This results in a lack of real-time financial visibility, inconsistent data, human error, and information loss. Additionally, it is challenging to accurately track operations and compute net profit due to the communication gap between drivers and business owners. Due to these difficulties, our project needed a system that could continuously adjust to user needs while evolving gradually. We were able to divide this difficult issue into manageable development cycles thanks to Scrum, which guaranteed adaptability and frequent project improvements.

Project Planning and Execution:

We submitted a formal project proposal to specify our development direction at the start of the project and recorded all system features and workflows in a Product Requirement Document (PRD). Three people made up the team at first, and then two more joined. Scrum facilitated this team's growth by enabling cooperative planning and dynamic task distribution.
We used an incremental and iterative approach instead of building the entire system at once. For instance, we worked on backend logic, system flow, and feature enhancement on some days and UI/UX design using Figma on others. We were able to lower risks, validate concepts early, and continuously enhance system quality thanks to this methodical approach.

Project Management and Collaboration:

We used Trello to manage tasks efficiently, where we clearly defined:

- What tasks needed to be completed.
- Who was responsible for each task.
- Which tasks were high priority.

Team members were held accountable and transparent as a result. Additionally, we used Notion as a shared workspace, which made it possible for everyone to work together, record ideas, and maintain alignment throughout the project. Our team had a designated leader who made sure the project's objectives were met while fostering a collaborative team atmosphere. Every time a problem emerged, we talked about it and collaborated to find workable solutions. We continued to collaborate using Microsoft Teams outside of lab sessions, which greatly enhanced productivity and communication.

Why Scrum Was the Best Choice:

Scrum was especially suitable for this project because:

- It allowed us to **work in manageable iterations** rather than building everything at once.
- It supported **continuous improvement** based on feedback and testing.
- It encouraged **team collaboration and accountability**.
- It enabled **quick adaptation** to new ideas, requirement changes, and team expansion.

- It helped deliver features efficiently while maintaining quality and consistency.

In conclusion, Scrum turned out to be the best development model for the Amar Khata project. Scrum enabled us to maintain flexibility, clarity, and productivity throughout the development process despite the system's complexity, the requirement for real-time data handling, and the involvement of several user roles, including Business Owner, Driver, and Admin. As a result, we were able to create a scalable, user-focused, and well-organized solution that tackles actual financial management issues in the transportation industry.

2. SOFTWARE REQUIREMENTS SPECIFICATIONS (SRS) / PRODUCT REQUIREMENTS DOCUMENT (PRD)

2.1 Scopes and Features

- Feature1: Auth Feature.
    a. Signup [admin] [User]
    b. Sign in [admin] [User]
- Feature2: Dashboard & Analytics.
    a. Menu [User]
    b. Dashboard [Business Owner]
    c. Transaction Logs [Business Owner]
    d. Net Profit View [Business Owner]
    e. Reports [Business Owner]
- Feature3: Vehicle & Driver Management.
    a. Vehicle Inventory [Business Owner]
    b. Add Vehicle & Driver [Driver]
- Feature4: Financial Operations.
    a. Add Transaction [Driver/Owner]
- Feature5: Account Management.
    a. Profile Settings [Driver/Owner]
- Feature6: Admin Administrations.
    a. User Logs [Admin]
    b. Transaction Oversight [Admin]
    c. User Management [Admin]

2.2 User Story Table

- **Feature1: Auth Feature.**

  Signup [admin] [User]:
  As an Admin or User, the system allows account registration using required personal and role-based information so that a secure account is created and role-specific access is enabled.

  Sign in [admin] [User]:
  As an Admin or User, the system enables secure login using valid credentials so that authorized access to role-based dashboards and features is granted.

- **Feature2: Dashboard & Analytics.**
  Menu [User]:
  As a logged-in user, I want to open the main menu from anywhere in the app so that I can quickly navigate between features without restarting the app.
  Dashboard [Business Owner]:
  As a Business owner I want to Access dashboard, See total income, See total expense, See last 12 months transaction So that operational metrics are visible in one place. The business owner can quickly monitor overall revenue and track total outgoing costs.,"1. Dashboard loads with all key metrics and navigation options.

  Transaction Logs [Business Owner]:
  As a Business owner I want to Filter transaction logs, Check income by category, Specific transactions can be found and analyzed rapidly. The owner understands which sources generate the most revenue.

  Net Profit View [Business Owner]:
  As a Business owner I want to Check net profit So that I know the actual profit after all expenses.

  Reports [Business Owner]:
  As a Business owner I want to Check reports, Download reports So that financial documents can be stored, shared, or printed for audits.

- **Feature3: Vehicle & Driver Management.**
  Vehicle Inventory [Business Owner]:
  As a Business owner I want to Check vehicle list So that all vehicles in the fleet are accounted for.

  Add Vehicle & Driver [Driver]:
  As a Driver I want to Add Vehicle, Add Driver Name, Add NID, Add Phone, Add Status So that the fleet can be expanded and tracked.

- **Feature4: Financial Operations.**
  Add Transaction [Driver/Owner]:
  As a Driver I want to Add a new income or expense record for a vehicle So that all financial transactions are tracked accurately by vehicle.

- **Feature5: Account Management.**
  Profile Settings [Driver/Owner]:
  As a Driver/Owner I want to Change password, Change user name, Change theme So that account privacy is protected and dashboard can be customized.

- **Feature6: Admin Administrations.**
  User Logs [Admin]:
  As an Admin I want to Check User logs So that system security is maintained and suspicious activities can be traced.**Transaction Oversight [Admin]:**
  As an Admin I want to check transaction So that financial discrepancies can be investigated.

  User Management [Admin]:

As an Admin I want to manage users So that user account issues (like locked accounts) can be resolved quickly.

2.3 Requirements Traceability Matrix

2.3.1 Functional Requirements

Functional Requirement	Why
User Signup for Admin and User	Defines a core system action: creating an account
User Sign in (authentication)	Specifies login behavior and access control
Role-based dashboard access	System behavior changes based on user role
View dashboard metrics (income, expense, transactions)	Describes system-provided functionality
Filter transaction logs	Specifies data-processing capability
View net profit	System calculates and displays profit
Generate and download reports	Describes report creation and export
View vehicle inventory	System displays stored vehicle data
Add vehicle and driver details	System allows data input and storage
Add income/expense transactions	Core financial operation of the system
Update profile settings (password, username, theme)	System allows account customization
View user logs (Admin)	System provides monitoring functionality
Transaction oversight (Admin)	System allows review of transactions
User management (Admin)	Admin controls user accounts

2.3.2 Non-Functional Requirements

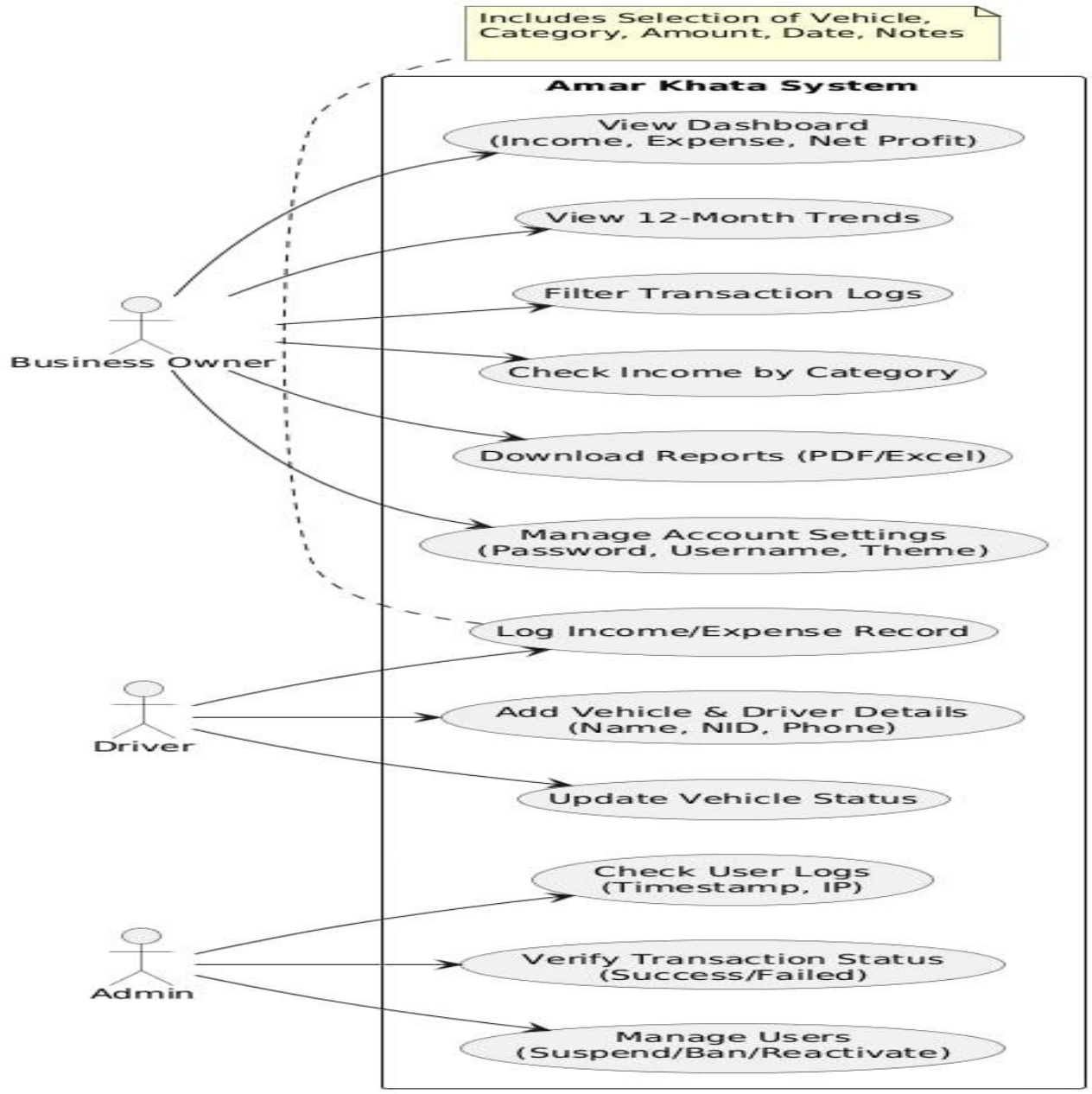
Non-Functional Requirement	Why
Secure password rules	Defines security quality, not a feature
Data confidentiality and encryption	Describes system security standards
Role-based access enforcement	Defines access control policy and constraints
System performance (fast dashboard loading)	Concerns speed and responsiveness
System availability and reliability	Describes uptime expectations
Audit trail for user actions	Defines compliance and traceability
Error handling and validation messages	Describes usability and robustness
Account lock after multiple failed logins	Security and safety constraint
Scalability for multiple users	Performance under increased load
UI theme customization	Usability and user experience quality

3. SOFTWARE DESIGN

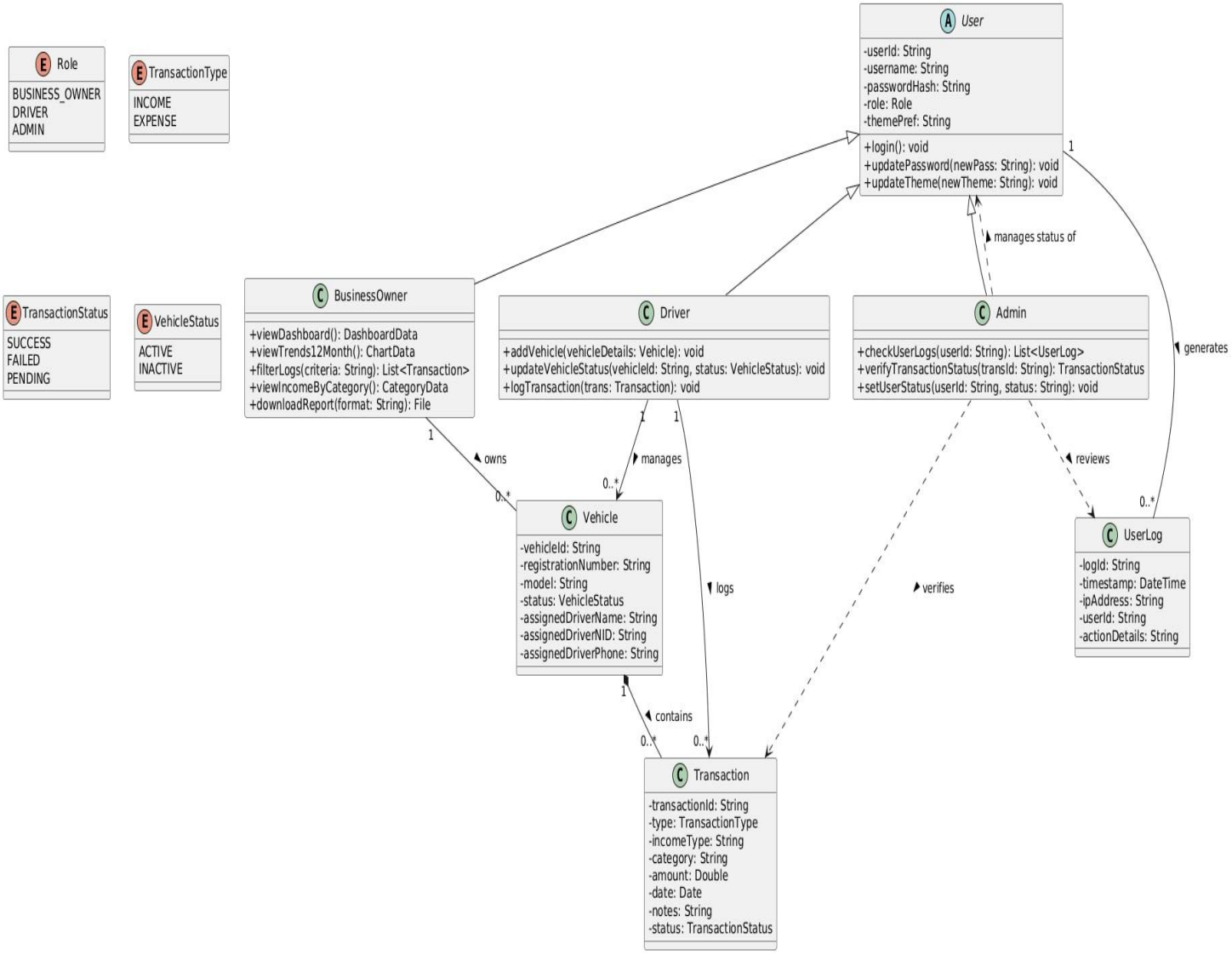
3.1 System Design: Draw the system design for your project using **Draw.io** or **LucidChart**.

- Prepare a **Use Case Diagram** by first defining all users (actors) and their roles. Show each actor's interactions with the system through use cases inside a system boundary. Include relationships like *include* or *extend* where needed.
- Prepare a **Class Diagram** by identifying the main classes from your project. Add attributes and operations for each class, and show associations, generalizations, aggregations, or compositions between them.
- Prepare an **Activity Diagram** that visually represents the workflow of a system or process.

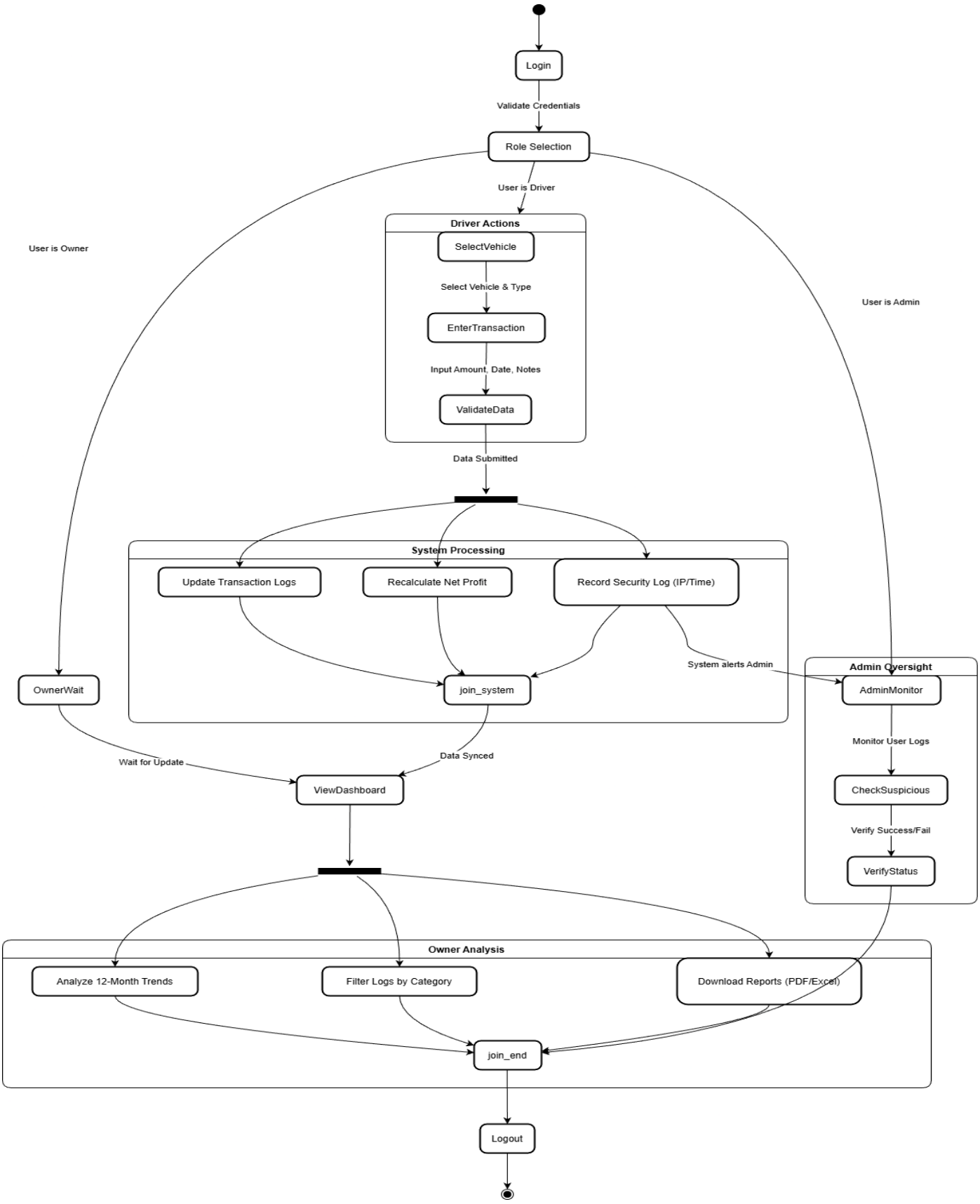
Use Case Diagram



Class Diagram



Activity Diagram

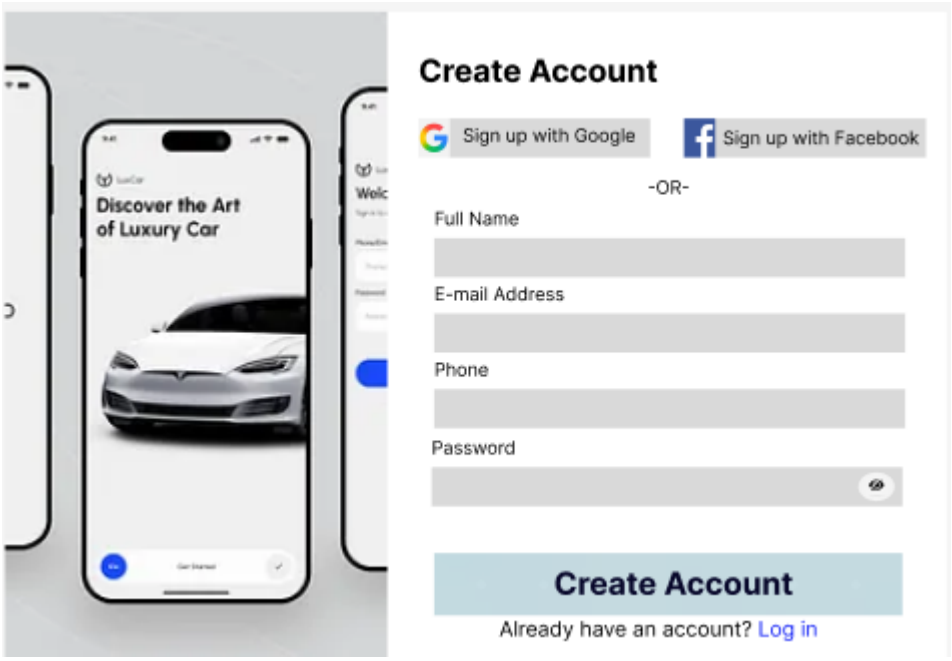


3.2 UI / Wireframe Design using Figma

- Build the wireframes directly from your SRS. Each functional requirement defined in the SRS should have a corresponding screen or component in the UI.
- Use the Trello user board (or equivalent task board) as a reference to decide which features and user flows need to be represented in the prototype.
- Create clickable wireframes that connect the main screens together, showing how a user will navigate through the system.
- Ensure the wireframe matches the actors, roles and functionalities described in the SRS and system design diagrams.
- Export the prototype and include screenshots or a link to your design as part of the report submission.

Signup [admin] [User]:

As an Admin or User, the system allows account registration using required personal and role-based information so that a secure account is created and role-specific access is enabled.



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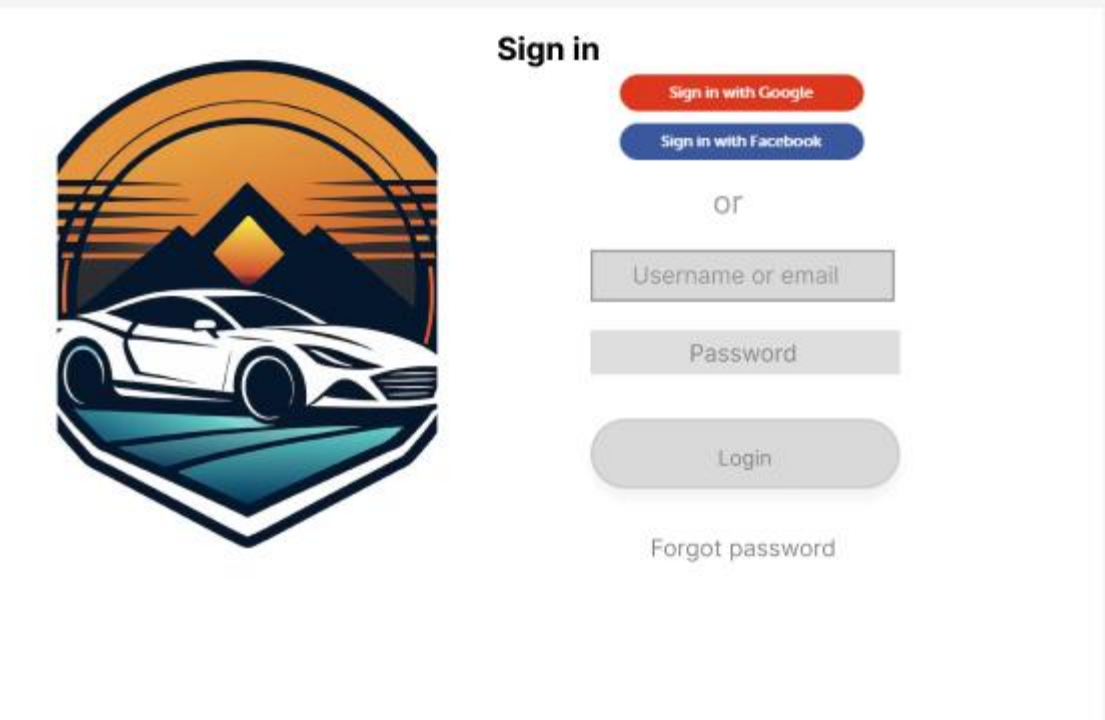
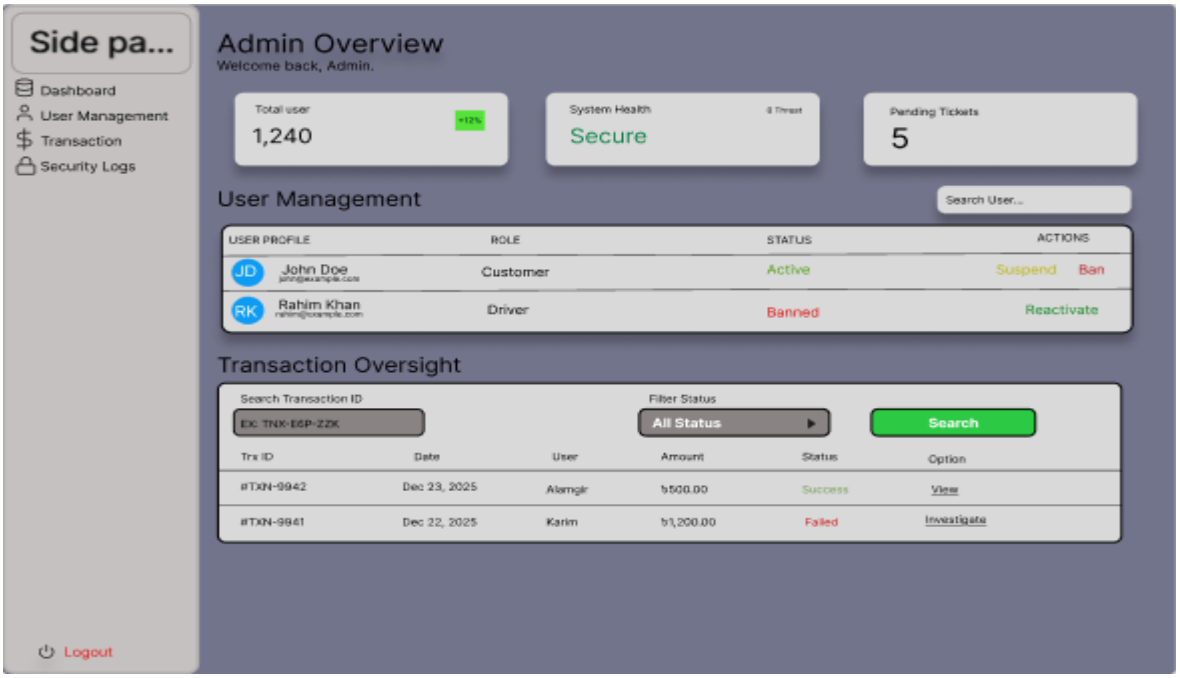


Dashboard [Business Owner]:

As a Business owner I want to Access dashboard, See total income, See total expense, See last 12 months transaction So that operational metrics are visible in one place. The business owner can quickly monitor overall revenue and track total outgoing costs.,"1. Dashboard loads with all key metrics and navigation options.

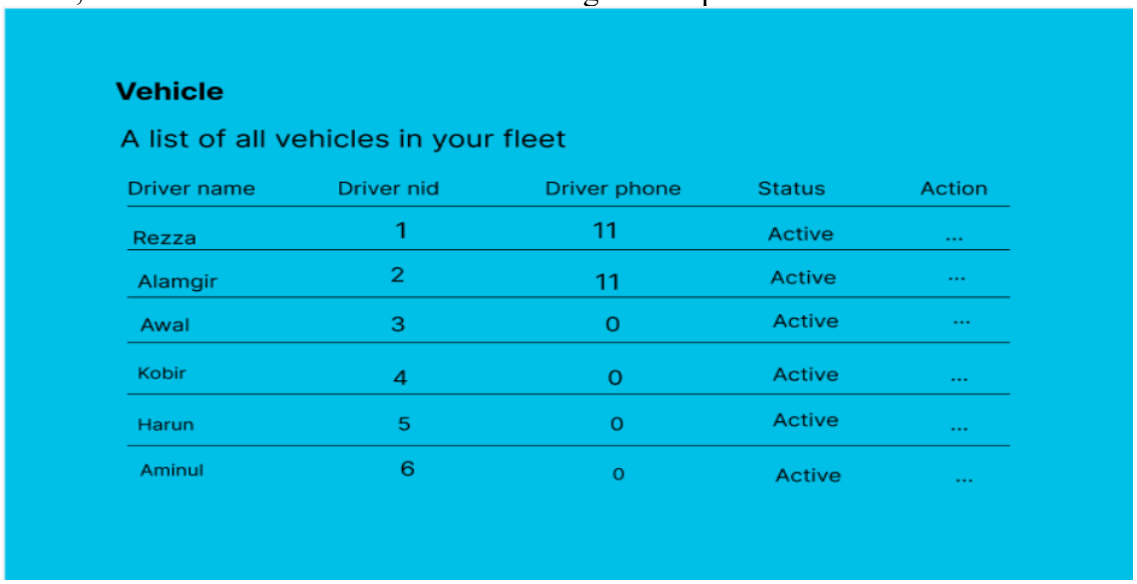
Admin Dashboard:

This is an admin dashboard that lets you manage the users and transactions on a platform. It shows overall stats (total users, system health, pending tickets), lets the admin manage user status (active, suspended, banned), and provides a transaction oversight section to search and review individual transactions with their status and options like viewing or investigating them.



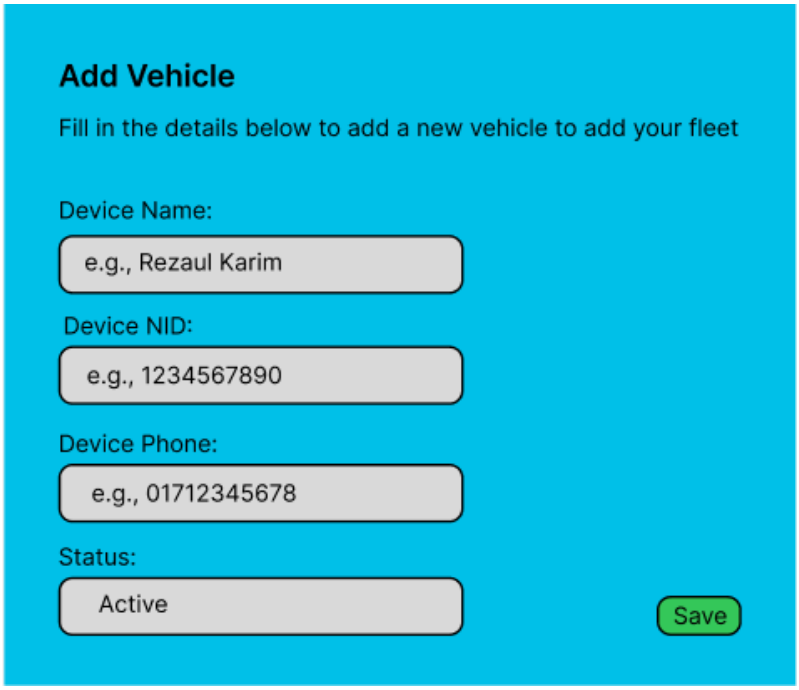
Vehicles:

This is a fleet vehicle management table listing drivers with their NID, phone number, current active status, and an action column for further management options.



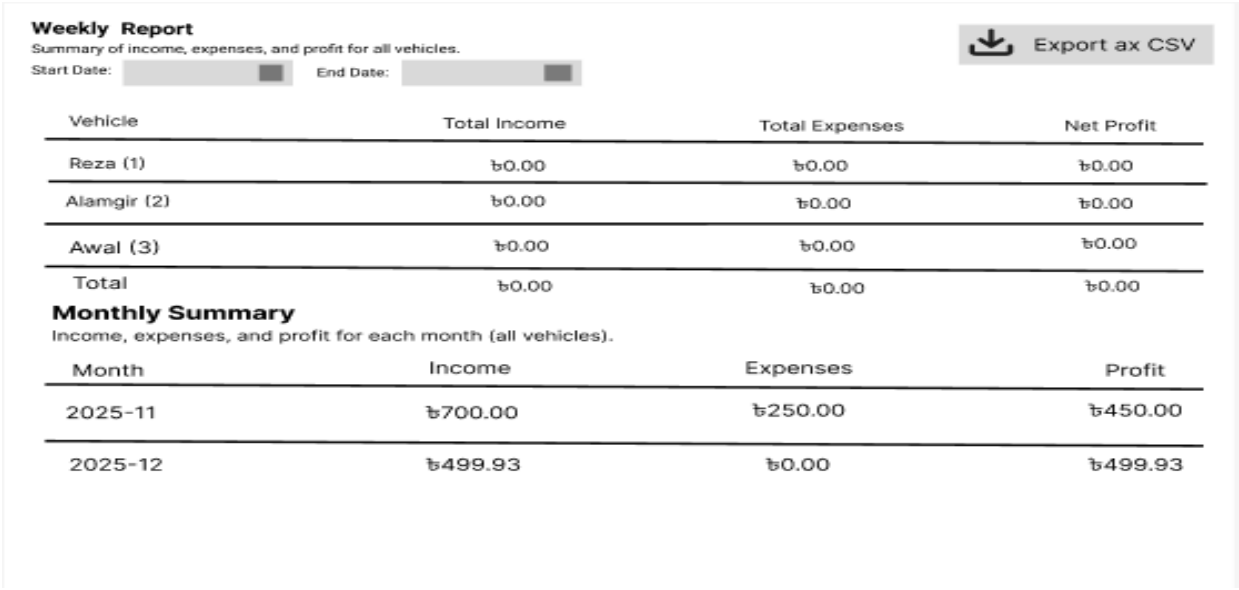
Add Vehicle:

This is a "Add Vehicle" form for managing a fleet. It has fields for the driver's name (for example, Rezul Karim), NID (for example, 1234567890), phone (for example, 0172345678), status (Active), and a Save button.



Reports:

This is a Weekly Report dashboard for fleet vehicles. It lets you choose a date range (start and end dates) and export to CSV. There is a table for each vehicle that shows Total Income, Total Expenses, and Net Profit (for example, Rez (1): all 0.00). A summary row shows the total for all vehicles (for example, all 0.00). Here is a table that shows the monthly totals for income, expenses, and profit. For example, in November 2025, income was $700.00, expenses were $250.00, and profit was $450.00.



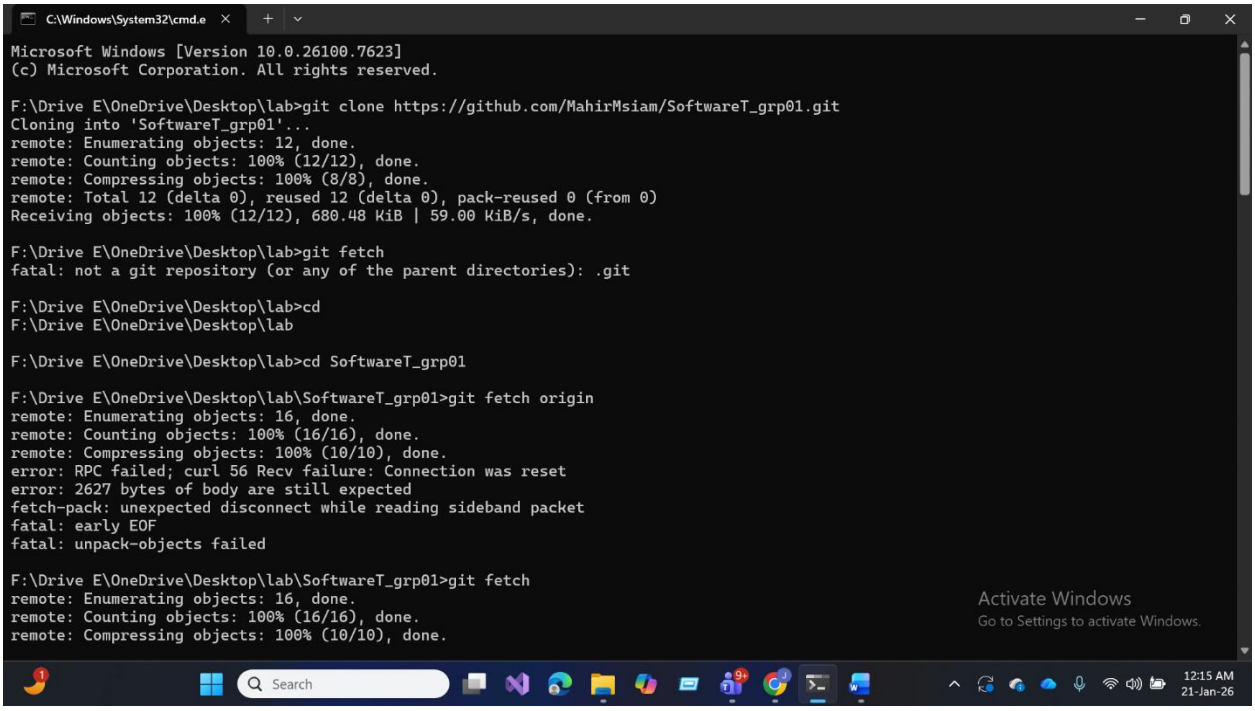
Settings:

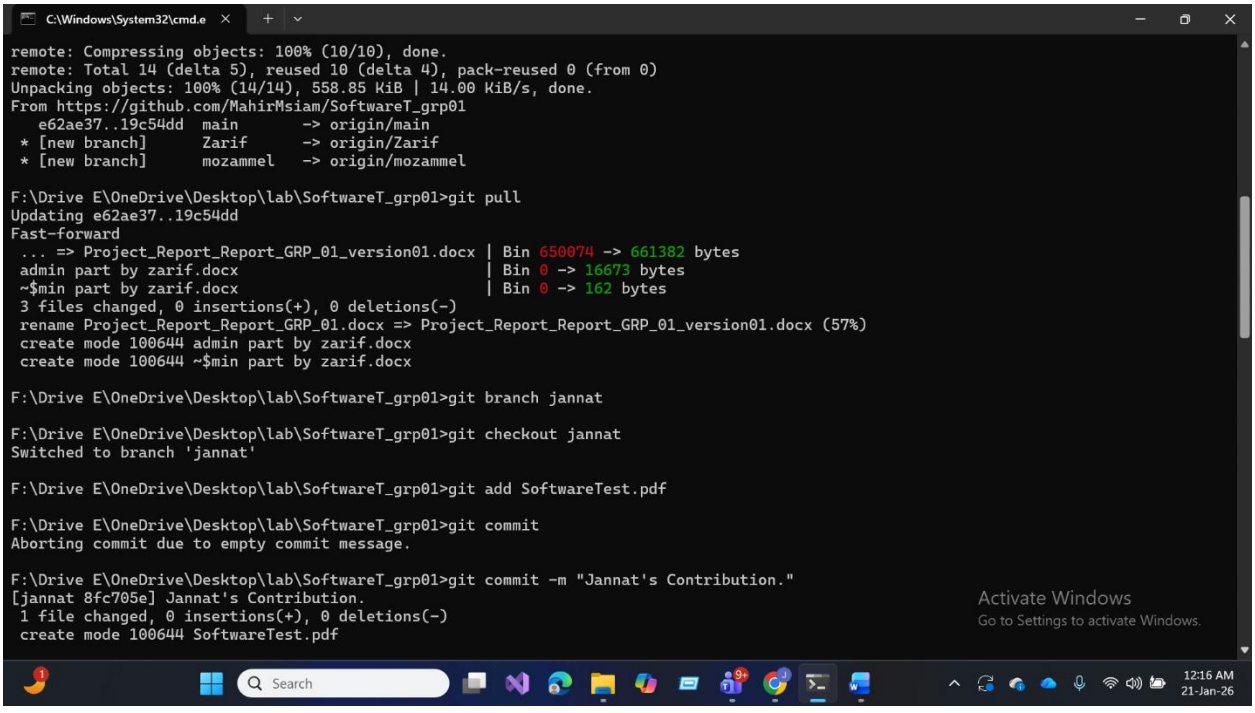
This is the user settings page. It has a sidebar menu with options like Dashboard, Amar-Khata, and more. The main area has two parts: "Update Profile," which has fields for Full Name, Phone Number, and Email (note: changing your email requires verification and re-login), and a "Save" button. Next to it is "Change Password," which has fields for "Current Password," "New Password," "Confirm New Password," and a "Save" button for added security.

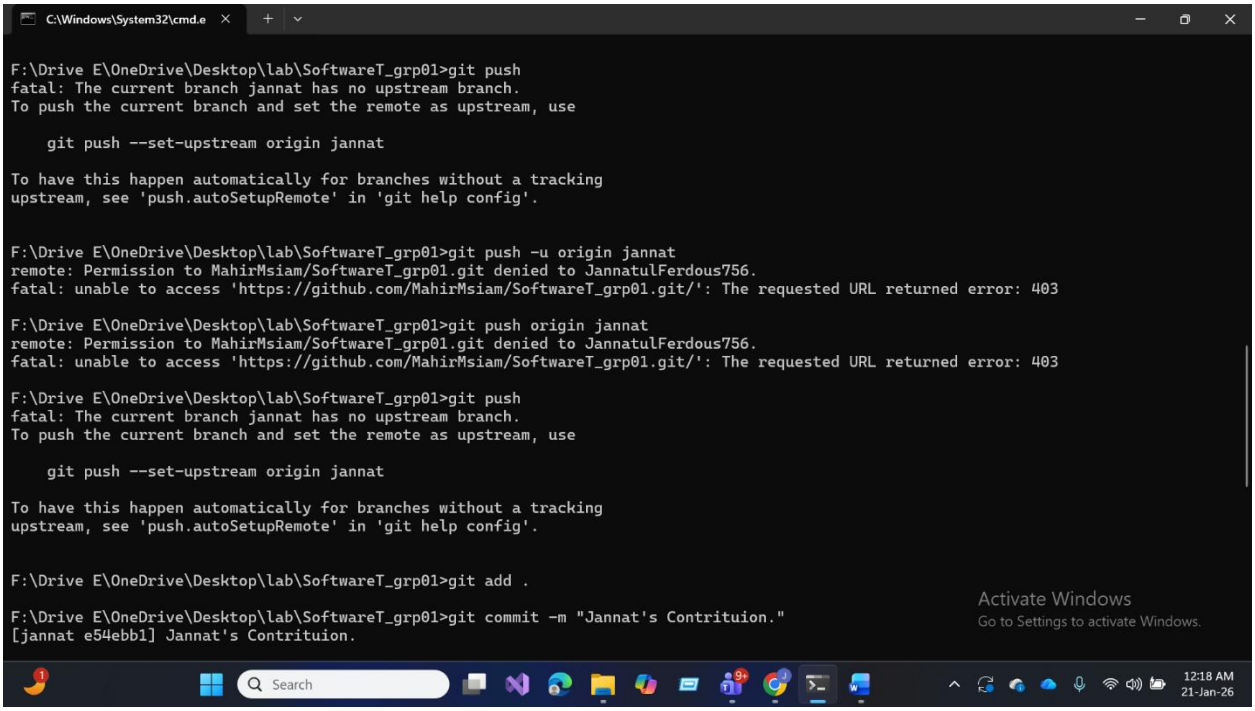
4. GIT WORKFLOW

- Create a central repository for the project on GitHub and set the master (or main) branch as the primary branch for integration.
- Each member should clone the repository and create their own feature branches for assigned tasks. Work on new features or fixes within these branches.
- Add files, stage them and commit changes with clear messages that describe the purpose of each update.
- Push commits from the feature branches to the remote repository so other members can see progress.
- Use pull to fetch and integrate changes from the remote repository into local copies, ensuring everyone stays updated.
- Merge feature branches into the master/main branch only after the work is tested and reviewed, resolving any conflicts that occur.
- Show evidence of collaboration by maintaining a clear commit history (using logs) with multiple commits, merges and contributions from all group members.
- Keep the repository organized with a clean history that tracks the project workflow from initialization to completion.

Member Jannatul:






C:\Windows\System32\cmd.e
F:\Drive E\OneDrive\Desktop\lab\SoftwareT_grp01>git push
fatal: The current branch jannat has no upstream branch.
To push the current branch and set the remote as upstream, use
git push --set-upstream origin jannat
To have this happen automatically for branches without a tracking
upstream, see 'push.autoSetupRemote' in 'git help config'.
F:\Drive E\OneDrive\Desktop\lab\SoftwareT_grp01>git push -u origin jannat
remote: Permission to MahirMsiam/SoftwareT_grp01.git denied to JannatulFerdous756.
fatal: unable to access 'https://github.com/MahirMsiam/SoftwareT_grp01.git/': The requested URL returned error: 403
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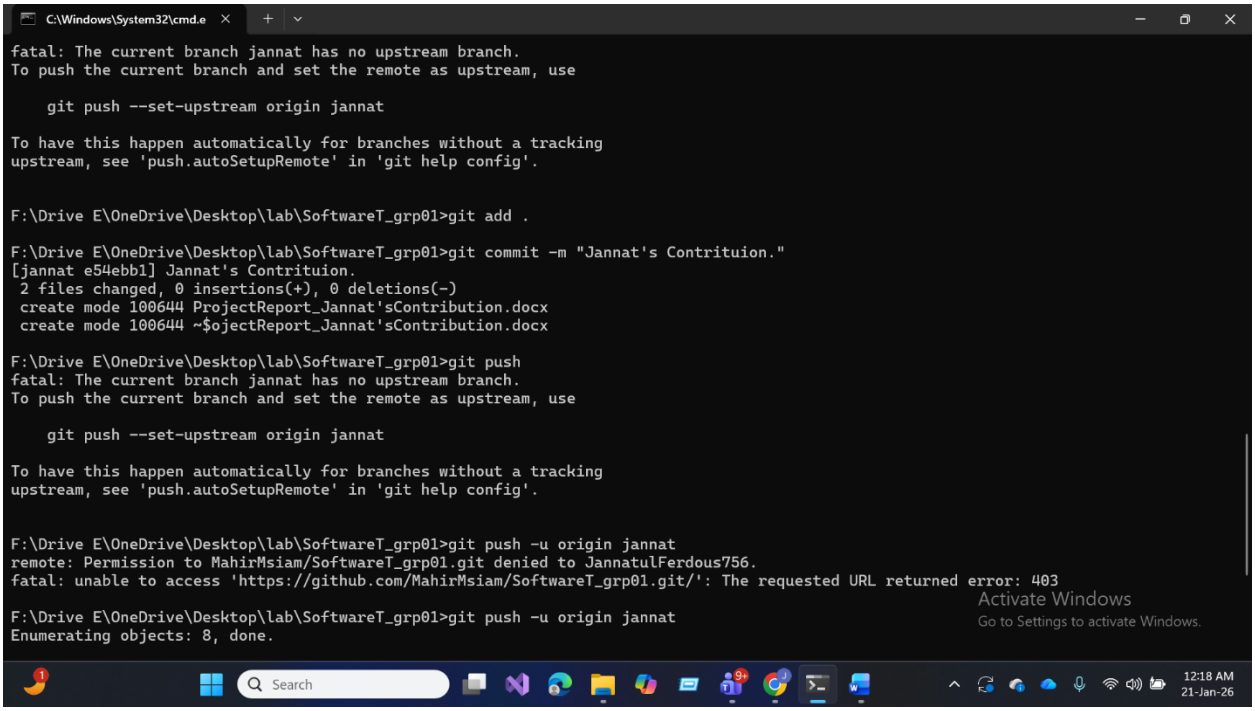
F:\Drive E\OneDrive\Desktop\lab\SoftwareT_grp01>git add .
F:\Drive E\OneDrive\Desktop\lab\SoftwareT_grp01>git commit -m "Jannat's Contrituion."
[jannat e54ebb1] Jannat's Contrituion.
Activate Windows
Go to Settings to activate Windows.
Search
12:18 AM
21-Jan-26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F:\Drive E\OneDrive\Desktop\lab\SoftwareT_grp01>git commit -m "Jannat's Contrituion."
[jannat e54ebb1] Jannat's Contrituion.
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 ProjectReport_Jannat'sContribution.docx
create mode 100644 ~$ojectReport_Jannat'sContribution.docx
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Enumerating objects: 8, done.
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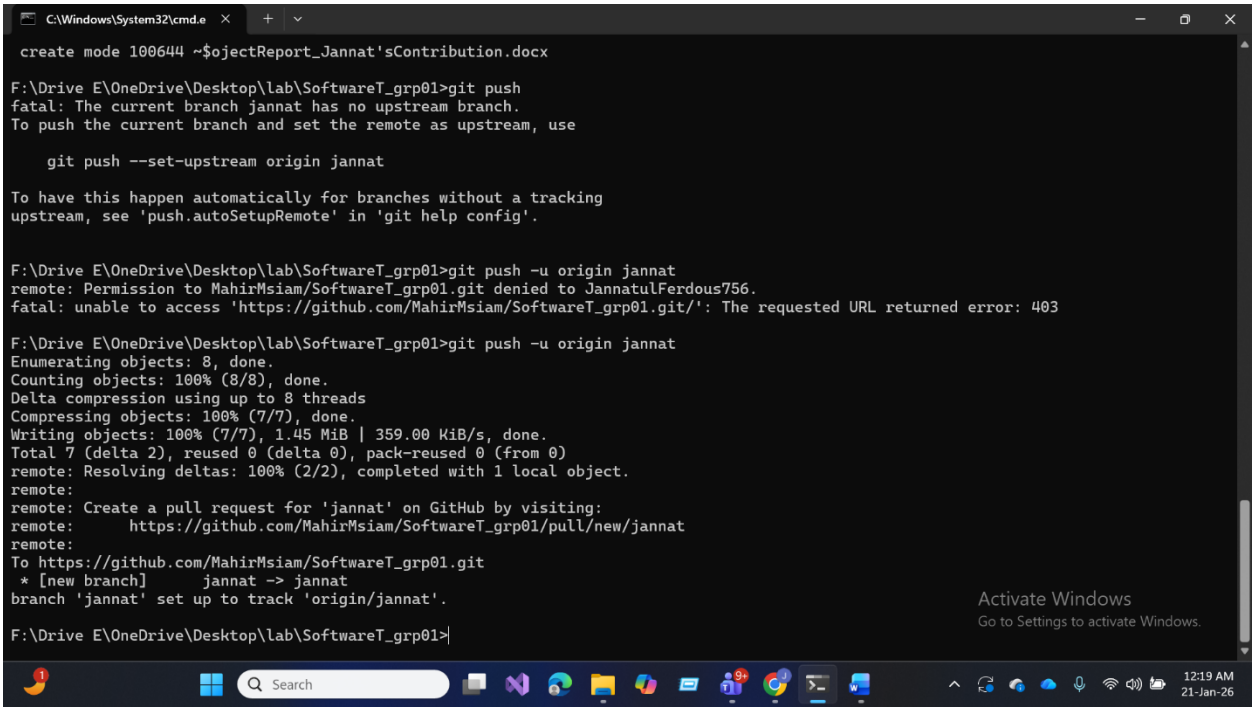
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create mode 100644 ~$ojectReport_Jannat'sContribution.docx
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Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 8 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (7/7), 1.45 MiB | 359.00 KiB/s, done.
Total 7 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
remote:
remote: Create a pull request for 'jannat' on GitHub by visiting:
remote: https://github.com/MahirMsiam/SoftwareT_grp01/pull/new/jannat
remote:
To https://github.com/MahirMsiam/SoftwareT_grp01.git
* [new branch] jannat -> jannat
branch 'jannat' set up to track 'origin/jannat'.
F:\Drive E\OneDrive\Desktop\lab\SoftwareT_grp01>
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Go to Settings to activate Windows.
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12:19 AM
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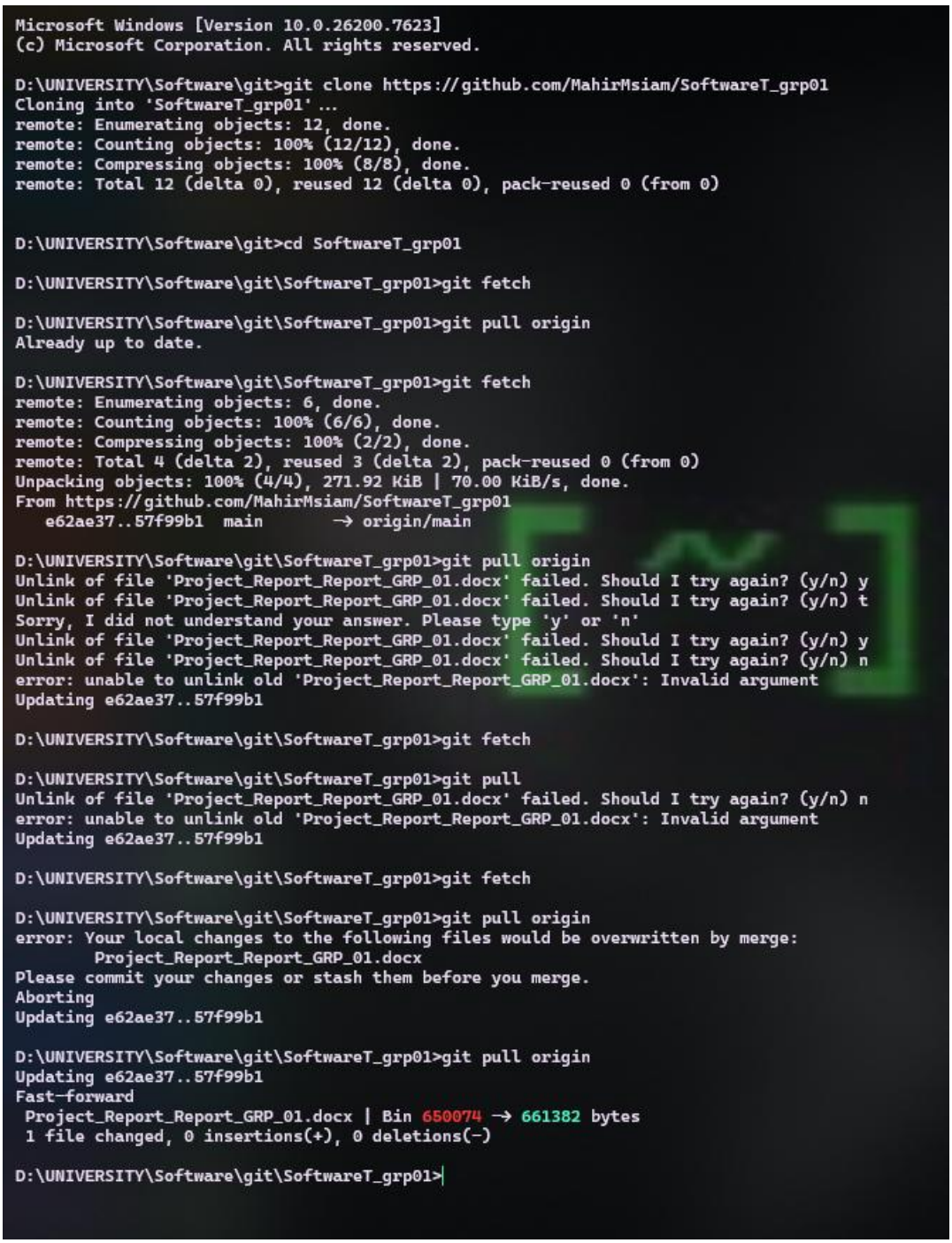
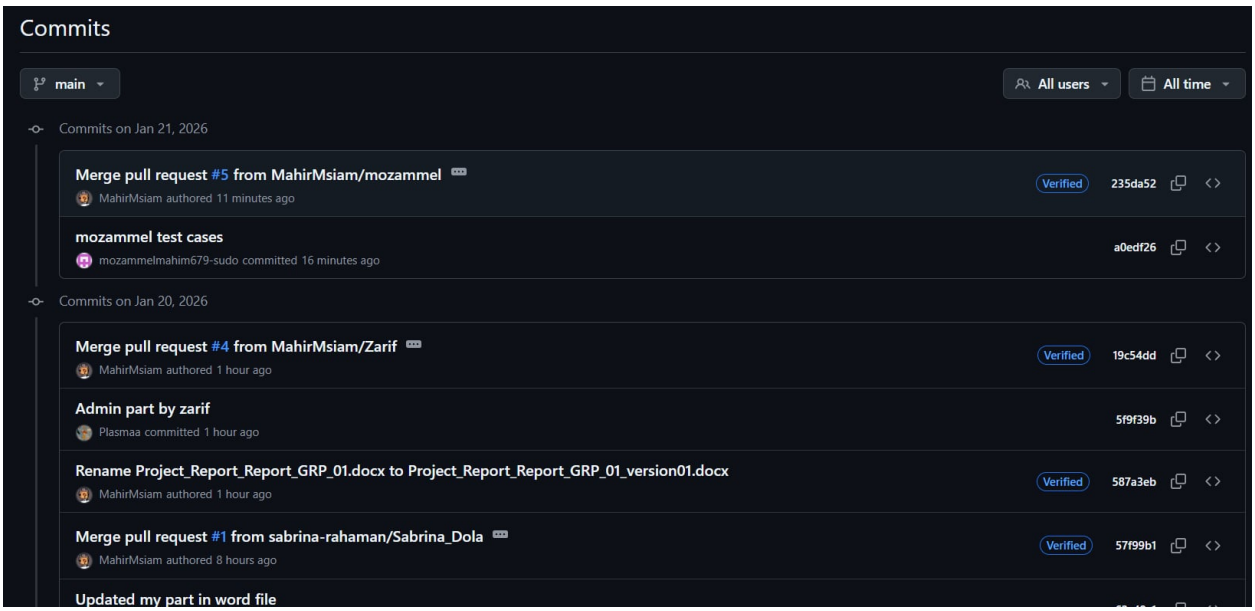
Member Siam:


Microsoft Windows [Version 10.0.26200.7623]
(c) Microsoft Corporation. All rights reserved.
D:\UNIVERSITY\Software\git>git clone https://github.com/MahirMsiam/SoftwareT_grp01
Cloning into 'SoftwareT_grp01' ...
remote: Enumerating objects: 12, done.
remote: Counting objects: 100% (12/12), done.
remote: Compressing objects: 100% (8/8), done.
remote: Total 12 (delta 0), reused 12 (delta 0), pack-reused 0 (from 0)
D:\UNIVERSITY\Software\git>cd SoftwareT_grp01
D:\UNIVERSITY\Software\git\SoftwareT_grp01>git fetch
D:\UNIVERSITY\Software\git\SoftwareT_grp01>git pull origin
Already up to date.
D:\UNIVERSITY\Software\git\SoftwareT_grp01>git fetch
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 4 (delta 2), reused 3 (delta 2), pack-reused 0 (from 0)
Unpacking objects: 100% (4/4), 271.92 KiB | 70.00 KiB/s, done.
From https://github.com/MahirMsiam/SoftwareT_grp01
e62ae37..57f99b1 main -> origin/main
D:\UNIVERSITY\Software\git\SoftwareT_grp01>git pull origin
Unlink of file 'Project_Report_Report_GRP_01.docx' failed. Should I try again? (y/n) y
Unlink of file 'Project_Report_Report_GRP_01.docx' failed. Should I try again? (y/n) t
Sorry, I did not understand your answer. Please type 'y' or 'n'
Unlink of file 'Project_Report_Report_GRP_01.docx' failed. Should I try again? (y/n) y
Unlink of file 'Project_Report_Report_GRP_01.docx' failed. Should I try again? (y/n) n
error: unable to unlink old 'Project_Report_Report_GRP_01.docx': Invalid argument
Updating e62ae37..57f99b1
D:\UNIVERSITY\Software\git\SoftwareT_grp01>git fetch
D:\UNIVERSITY\Software\git\SoftwareT_grp01>git pull
Unlink of file 'Project_Report_Report_GRP_01.docx' failed. Should I try again? (y/n) n
error: unable to unlink old 'Project_Report_Report_GRP_01.docx': Invalid argument
Updating e62ae37..57f99b1
D:\UNIVERSITY\Software\git\SoftwareT_grp01>git fetch
D:\UNIVERSITY\Software\git\SoftwareT_grp01>git pull origin
error: Your local changes to the following files would be overwritten by merge:
Project_Report_Report_GRP_01.docx
Please commit your changes or stash them before you merge.
Aborting
Updating e62ae37..57f99b1
D:\UNIVERSITY\Software\git\SoftwareT_grp01>git pull origin
Updating e62ae37..57f99b1
Fast-forward
Project_Report_Report_GRP_01.docx | Bin 650074 -> 661382 bytes
1 file changed, 0 insertions(+), 0 deletions(-)
D:\UNIVERSITY\Software\git\SoftwareT_grp01>

```
Kakashitake@kakashitake MINGW64 /d/UNIVERSITY/Software/git
$ git status
fatal: not a git repository (or any of the parent directories): .git

Kakashitake@kakashitake MINGW64 /d/UNIVERSITY/Software/git
$ cd SoftwareT_grp01

Kakashitake@kakashitake MINGW64 /d/UNIVERSITY/Software/git/SoftwareT_grp01 (main
)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   Project_Report_Report_GRP_01.docx

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Project_Report_Report_GRP_01_Vesion01.docx
        ~$oject_Report_Report_GRP_01.docx
        ~WRL0003.tmp

no changes added to commit (use "git add" and/or "git commit -a")

Kakashitake@kakashitake MINGW64 /d/UNIVERSITY/Software/git/SoftwareT_grp01 (main)
$ git fetch
remote: Enumerating objects: 15, done.
remote: Counting objects: 100% (15/15), done.
remote: Compressing objects: 100% (12/12), done.
remote: Total 14 (delta 3), reused 11 (delta 2), pack-reused 0 (from 0)
Unpacking objects: 100% (14/14), 1.46 MiB | 1.10 MiB/s, done.
From https://github.com/MahirMsiam/SoftwareT_grp01
   57f99b1..19c54dd  main       -> origin/main
 * [new branch]      Zarif      -> origin/Zarif
 * [new branch]      jannat     -> origin/jannat
 * [new branch]      mozammel   -> origin/mozammel

Kakashitake@kakashitake MINGW64 /d/UNIVERSITY/Software/git/SoftwareT_grp01 (main)
$ git pull
error: Your local changes to the following files would be overwritten by merge:
        Project_Report_Report_GRP_01.docx
Please commit your changes or stash them before you merge.
Aborting
Updating 57f99b1..19c54dd

Kakashitake@kakashitake MINGW64 /d/UNIVERSITY/Software/git/SoftwareT_grp01 (main)
$ git branch siam

Kakashitake@kakashitake MINGW64 /d/UNIVERSITY/Software/git/SoftwareT_grp01 (main)
$ git checkout siam
Switched to branch 'siam'
M       Project_Report_Report_GRP_01.docx

Kakashitake@kakashitake MINGW64 /d/UNIVERSITY/Software/git/SoftwareT_grp01 (siam)
$ git add siam's_contribution.pdf
>
> siam's_contribution.pdf
fatal: pathspec 'siams_contribution.pdf

siams_contribution.pdf' did not match any files

Kakashitake@kakashitake MINGW64 /d/UNIVERSITY/Software/git/SoftwareT_grp01 (siam)
$ git add Siam's_contribution.pdf
> Siam's_contribution.pdf
fatal: pathspec 'Siams_contribution.pdf
Siams_contribution.pdf' did not match any files

Kakashitake@kakashitake MINGW64 /d/UNIVERSITY/Software/git/SoftwareT_grp01 (siam)
$ git add .

Kakashitake@kakashitake MINGW64 /d/UNIVERSITY/Software/git/SoftwareT_grp01 (siam)
$ git commit -m "Siam's contribution"
[siam 9995aad] Siam's contribution
 5 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Project_Report_Report_GRP_01_Vesion01.docx
 create mode 100644 Siam's_contribution.pdf
 create mode 100644 ~$oject_Report_Report_GRP_01.docx
 create mode 100644 ~WRL0003.tmp
```

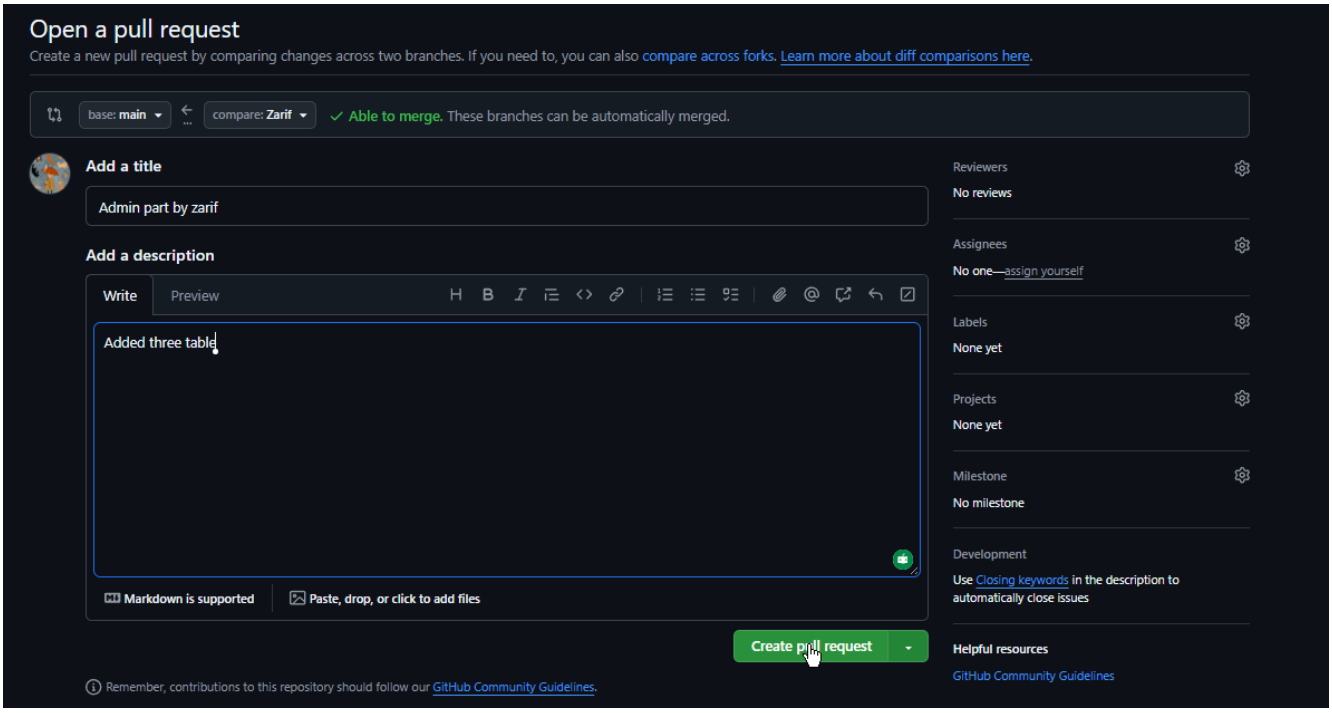
```
Kakashitake@kakashitake MINGW64 /d/UNIVERSITY/Software/git/SoftwareT_grp01 (siam)
$ git commit -m "Siam's contribution"
[siam 9995aad] Siam's contribution
 5 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Project_Report_Report_GRP_01_Vesion01.docx
 create mode 100644 Siam's_contribution.pdf
 create mode 100644 ~$oject_Report_Report_GRP_01.docx
 create mode 100644 ~WRL0003.tmp

Kakashitake@kakashitake MINGW64 /d/UNIVERSITY/Software/git/SoftwareT_grp01 (siam)
$ git push
fatal: The current branch siam has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin siam

To have this happen automatically for branches without a tracking
upstream, see 'push.autoSetupRemote' in 'git help config'.


Kakashitake@kakashitake MINGW64 /d/UNIVERSITY/Software/git/SoftwareT_grp01 (siam)
$ git push -u siam
fatal: 'siam' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

Kakashitake@kakashitake MINGW64 /d/UNIVERSITY/Software/git/SoftwareT_grp01 (siam)
$ git push -u origin siam
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 12 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (7/7), 752.41 KiB | 20.90 MiB/s, done.
Total 7 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
remote:
remote: Create a pull request for 'siam' on GitHub by visiting:
remote:      https://github.com/MahirMsiam/SoftwareT_grp01/pull/new/siam
remote:
To https://github.com/MahirMsiam/SoftwareT_grp01
 * [new branch]      siam -> siam
branch 'siam' set up to track 'origin/siam'.
```

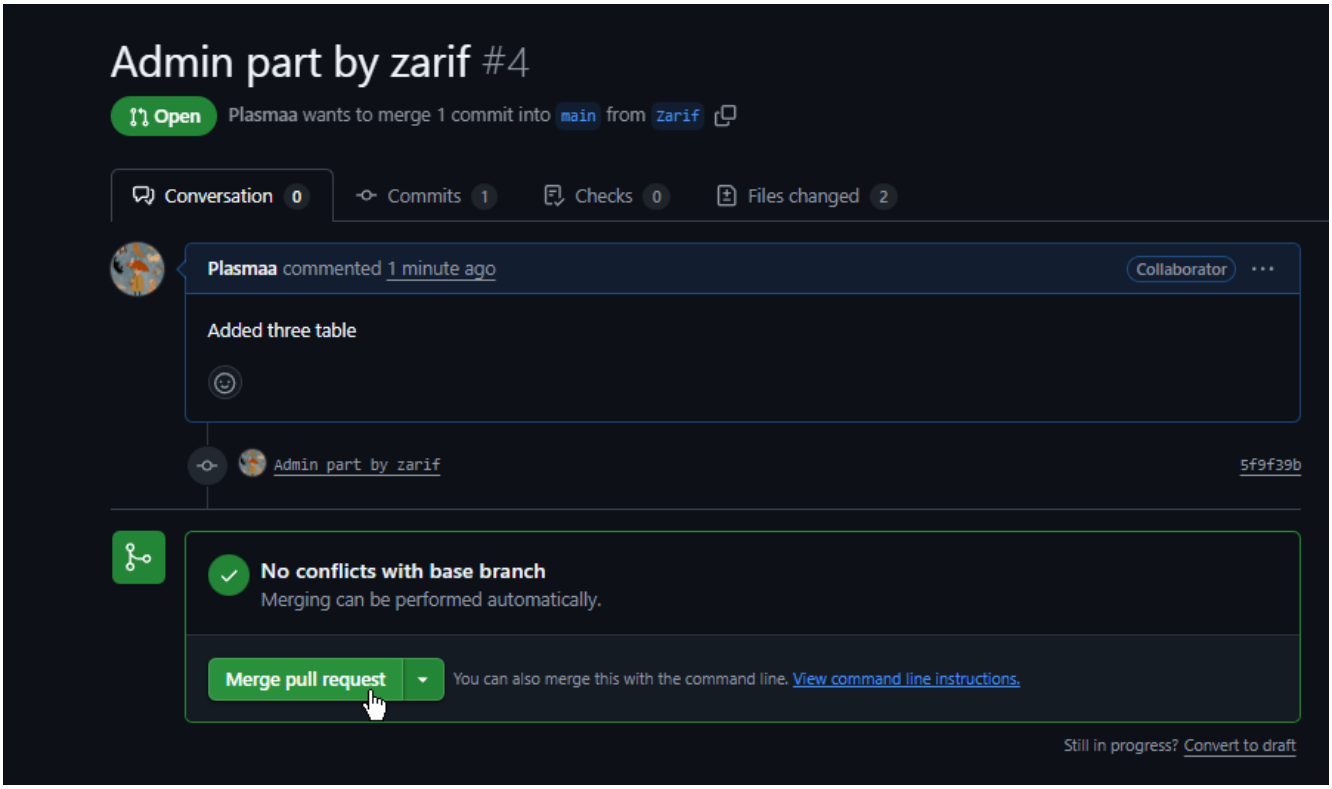


Member Zarif:

```
Plasma@DESKTOP-6A5JS6O MINGW64 /e/Documents/1.UNIVERSITY/9.Fall(25-26)/Software
Engineering/Final/project main
$ git clone https://github.com/MahirMsiam/SoftwareT_grp01.git
Cloning into 'SoftwareT_grp01'...
remote: Enumerating objects: 21, done.
remote: Counting objects: 100% (21/21), done.
remote: Compressing objects: 100% (13/13), done.
remote: Total 21 (delta 4), reused 18 (delta 4), pack-reused 0 (from 0)
Receiving objects: 100% (21/21), 1.20 MiB | 2.56 MiB/s, done.
Resolving deltas: 100% (4/4), done.

Plasma@DESKTOP-6A5JS6O MINGW64 /e/Documents/1.UNIVERSITY/9.Fall(25-26)/Software
Engineering/Final/project main
$ cd SoftwareT_grp01

Plasma@DESKTOP-6A5JS6O MINGW64 /e/Documents/1.UNIVERSITY/9.Fall(25-26)/Software
Engineering/Final/project main/SoftwareT_grp01 (main)
$ git checkout -b Zarif
Switched to a new branch 'Zarif'
```

```
Plasma@DESKTOP-6A5JS6O MINGW64 /e/Documents/1.UNIVERSITY/9.Fall(25-26)/Software
Engineering/Final/project main/SoftwareT_grp01 (main)
$ git checkout Zarif
Switched to branch 'Zarif'

Plasma@DESKTOP-6A5JS6O MINGW64 /e/Documents/1.UNIVERSITY/9.Fall(25-26)/Software
Engineering/Final/project main/SoftwareT_grp01 (Zarif)
$ git status
On branch Zarif
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        admin part by zarif.docx
        ~$min part by zarif.docx

nothing added to commit but untracked files present (use "git add" to track)

Plasma@DESKTOP-6A5JS6O MINGW64 /e/Documents/1.UNIVERSITY/9.Fall(25-26)/Software Engineering/Final/project main/SoftwareT_grp01 (Zarif)
$ git add .

Plasma@DESKTOP-6A5JS6O MINGW64 /e/Documents/1.UNIVERSITY/9.Fall(25-26)/Software Engineering/Final/project main/SoftwareT_grp01 (Zarif)
$ git commit -m "Admin part by zarif"
[Zarif 5f9f39b] Admin part by zarif
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 admin part by zarif.docx
 create mode 100644 ~$min part by zarif.docx

Plasma@DESKTOP-6A5JS6O MINGW64 /e/Documents/1.UNIVERSITY/9.Fall(25-26)/Software Engineering/Final/project main/SoftwareT_grp01 (Zarif)
$ git push origin Zarif
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 14.11 KiB | 14.11 MiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'Zarif' on GitHub by visiting:
remote:      https://github.com/MahirMsiam/SoftwareT_grp01/pull/new/Zarif
remote:
To https://github.com/MahirMsiam/SoftwareT_grp01.git
 * [new branch]      Zarif -> Zarif
```


Open a pull request
Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks. Learn more about diff comparisons here.
base: main
compare: Zarif
Able to merge. These branches can be automatically merged.
Add a title
Admin part by zarif
Add a description
Write
Preview
Added three table
Markdown is supported
Paste, drop, or click to add files
Create pull request
Remember, contributions to this repository should follow our GitHub Community Guidelines.
Reviewers
No reviews
Assignees
No one—assign yourself
Labels
None yet
Projects
None yet
Milestone
No milestone
Development
Use Closing keywords in the description to automatically close issues
Helpful resources
GitHub Community Guidelines


Admin part by zarif #4
Open
Plasmaa wants to merge 1 commit into main from Zarif
Conversation 0
Commits 1
Checks 0
Files changed 2
Plasmaa commented 1 minute ago
Collaborator
Added three table
Admin part by zarif
5f9f39b
No conflicts with base branch
Merging can be performed automatically.
Merge pull request
You can also merge this with the command line. View command line instructions.
Still in progress? Convert to draft

Member Mozammel:

```
AR@DESKTOP-K8MV1L5 MINGW64 /d/Software
$ git clone https://github.com/MahirMsiam/SoftwareT_grp01.git
Cloning into 'SoftwareT_grp01'...
remote: Enumerating objects: 26, done.
remote: Counting objects: 100% (26/26), done.
remote: Compressing objects: 100% (18/18), done.
remote: Total 26 (delta 5), reused 22 (delta 4), pack-reused 0 (from 0)
Receiving objects: 100% (26/26), 1.21 MiB | 3.10 MiB/s, done.
Resolving deltas: 100% (5/5), done.

AR@DESKTOP-K8MV1L5 MINGW64 /d/Software
$ cd SoftwareT_grp01

AR@DESKTOP-K8MV1L5 MINGW64 /d/Software/SoftwareT_grp01 (main)
$ git checkout -b mozammel
Switched to a new branch 'mozammel'

AR@DESKTOP-K8MV1L5 MINGW64 /d/Software/SoftwareT_grp01 (mozammel)
$ git branch
  main
* mozammel

AR@DESKTOP-K8MV1L5 MINGW64 /d/Software/SoftwareT_grp01 (mozammel)
$ git push origin mozammel
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'mozammel' on GitHub by visiting:
remote:      https://github.com/MahirMsiam/SoftwareT_grp01/pull/new/mozammel
remote:
To https://github.com/MahirMsiam/SoftwareT_grp01.git
 * [new branch]      mozammel -> mozammel

AR@DESKTOP-K8MV1L5 MINGW64 /d/Software/SoftwareT_grp01 (mozammel)
$ git fetch

AR@DESKTOP-K8MV1L5 MINGW64 /d/Software/SoftwareT_grp01 (mozammel)
$ git add .

AR@DESKTOP-K8MV1L5 MINGW64 /d/Software/SoftwareT_grp01 (mozammel)
$ git coommit -m "mozammel test cases"
git: 'coommit' is not a git command. See 'git --help'.

The most similar command is
        commit

AR@DESKTOP-K8MV1L5 MINGW64 /d/Software/SoftwareT_grp01 (mozammel)
$ git commit -m "mozammel test cases"
[mozammel a0edf26] mozammel test cases
 3 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 ~$oject_Report_Report_GRP_01_version01.docx
 create mode 100644 ~WRL1049.tmp
```

```
AR@DESKTOP-K8MV1L5 MINGW64 /d/Software/SoftwareT_grp01 (mozammel)
$ git commit -m "mozammel test cases"
[mozammel a0edf26] mozammel test cases
 3 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 ~$oject_Report_Report_GRP_01_version01.docx
 create mode 100644 ~WRL1049.tmp

AR@DESKTOP-K8MV1L5 MINGW64 /d/Software/SoftwareT_grp01 (mozammel)
$ git push origin mozammel
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 63.76 KiB | 7.08 MiB/s, done.
Total 4 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/MahirMsiam/SoftwareT_grp01.git
   19c54dd..a0edf26  mozammel -> mozammel

AR@DESKTOP-K8MV1L5 MINGW64 /d/Software/SoftwareT_grp01 (mozammel)
$
```

Member Sabrina:

```
C:\Users\user\Downloads\Software_TT\SoftwareT_grp01>git remote set-url origin https://github.com/sabrina-rahaman/Softwar
eT_grp01.git

C:\Users\user\Downloads\Software_TT\SoftwareT_grp01>git remote -v
origin  https://github.com/sabrina-rahaman/SoftwareT_grp01.git (fetch)
origin  https://github.com/sabrina-rahaman/SoftwareT_grp01.git (push)

C:\Users\user\Downloads\Software_TT\SoftwareT_grp01>git push origin Sabrina_Dola
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 271.04 KiB | 7.97 MiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
remote:
remote: Create a pull request for 'Sabrina_Dola' on GitHub by visiting:
remote:      https://github.com/sabrina-rahaman/SoftwareT_grp01/pull/new/Sabrina_Dola
remote:
To https://github.com/sabrina-rahaman/SoftwareT_grp01.git
 * [new branch]      Sabrina_Dola -> Sabrina_Dola

C:\Users\user\Downloads\Software_TT\SoftwareT_grp01>
```

```
C:\Users\user\Downloads>cd Software_TT

C:\Users\user\Downloads\Software_TT>git --version
git version 2.51.2.windows.1

C:\Users\user\Downloads\Software_TT>git clone https://github.com/MahirMsiam/SoftwareT_grp01.git
Cloning into 'SoftwareT_grp01'...
remote: Enumerating objects: 12, done.
remote: Counting objects: 100% (12/12), done.
remote: Compressing objects: 100% (8/8), done.
remote: Total 12 (delta 0), reused 12 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (12/12), 680.48 KiB | 1.02 MiB/s, done.

C:\Users\user\Downloads\Software_TT>cd SoftwareT_grp01

C:\Users\user\Downloads\Software_TT\SoftwareT_grp01>git checkout main
Already on 'main'
Your branch is up to date with 'origin/main'.

C:\Users\user\Downloads\Software_TT\SoftwareT_grp01>git pull origin main
From https://github.com/MahirMsiam/SoftwareT_grp01
 * branch            main       -> FETCH_HEAD
Already up to date.

C:\Users\user\Downloads\Software_TT\SoftwareT_grp01>git checkout -b Sabrina_Dola
Switched to a new branch 'Sabrina_Dola'

C:\Users\user\Downloads\Software_TT\SoftwareT_grp01>git branch
* Sabrina_Dola
  main
```

```
  main

C:\Users\user\Downloads\Software_TT\SoftwareT_grp01>git status
On branch Sabrina_Dola
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   Project_Report_Report_GRP_01.docx

no changes added to commit (use "git add" and/or "git commit -a")

C:\Users\user\Downloads\Software_TT\SoftwareT_grp01>git add .

C:\Users\user\Downloads\Software_TT\SoftwareT_grp01>git add Project_Report_Report_GRP_01.docx

C:\Users\user\Downloads\Software_TT\SoftwareT_grp01>git commit -m "Updated my part in word file"
[Sabrina_Dola 62c49c1] Updated my part in word file
 1 file changed, 0 insertions(+), 0 deletions(-)

C:\Users\user\Downloads\Software_TT\SoftwareT_grp01>git push origin Sabrina_Dola
remote: Permission to MahirMsiam/SoftwareT_grp01.git denied to sabrina-rahaman.
fatal: unable to access 'https://github.com/MahirMsiam/SoftwareT_grp01.git/': The requested URL returned error: 403

C:\Users\user\Downloads\Software_TT\SoftwareT_grp01>git remote -v
origin  https://github.com/MahirMsiam/SoftwareT_grp01.git (fetch)
origin  https://github.com/MahirMsiam/SoftwareT_grp01.git (push)

C:\Users\user\Downloads\Software_TT\SoftwareT_grp01>git remote set-url origin https://github.com/sabrina-rahaman/Softwar
eT_grp01.git
```

5. SOFTWARE TESTING

- Identify some testing methods that you want to use in the testing phase later for your project.
- Prepare 3 test cases using a manual test case template which template taught you in the class. Suppose if you have total 4 members, then the total test cases will be 12.

Project Name: Amar Khata			Test Designed by: Jannatul Ferdous	
Test Case ID: TC_1			Test Designed date:06/01/2026	
Test Priority (Low, Medium, High): High			Test Executed by: Jannatul Ferdous	
Module Name: Login Session (Signup)			Test Execution date: 06/01/2026	
Test Title: Verify create account with valid username and password or login with google or facebook				
Description: Create an account for login				
Preconditions: The user and admin have to create an account with valid username and password				
Dependencies: Valid username and password				
Test Steps	Test Data	Expected Result	Actual Results	Status (Pass/Fail)
1.Go to the site 2.Enter Full Name 3.Enter Email 4.Enter Phone 5.Enter Password 6.Click Create Account	Username: jannat01 Email: jannat@gmail.com Phone: 018XXXXXXXX	The user should sing up in to the application successfully	As expected	Pass

Project Name: Amar Khata			Test Designed by: Jannatul Ferdous	
Test Case ID: TC_2			Test Designed date: 13/01/2026	
Test Priority (Low, Medium, High):High			Test Executed by: Jannatul Ferdous	
Module Name: Login Session (Sign in)			Test Execution date: 13/01/2026	
Test Title: Verify the account with valid username and password for sign in				
Description: Sign in to the account				
Preconditions: Valid username and password				
Dependencies: Successfully Signup the account				
Test Steps	Test Data	Expected Result	Actual Results	Status (Pass/Fail)
1. Go to the site 2.Enter username or email 3.Enter Password 4.Click Login Button	Username: jannat01 Email: jannat@gmail.com	The user should log in the application	As expected	Pass

Project Name: Amar Khata			Test Designed by: Jannatul Ferdous	
Test Case ID: TC_3			Test Designed date: 20/01/2025	
Test Priority (Low, Medium, High): High			Test Executed by: Jannatul Ferdous	
Module Name: Navigation Menu			Test Execution date: 20/01/2025	
Test Title: Main Menu Navigation Access				
Description: Verify business owner can access and navigate using main menu				
Preconditions: Logged in as Business Owner				
Dependencies: Authentication Module, Dashboard Module				
Test Steps	Test Data	Expected Result	Actual Results	Status (Pass/Fail)
1.Open application Business owner account - Menu icon visible on header. 2. Login to system credentials. 3.Tap menu icon - Dashboard option. - Transactions option. - Reports option. - Settings option. - Logout option. 4. Select Dashboard	Menu icon visible on header. Menu opens on tap. Dashboard visible. Transactions option visible. Reports option visible. Settings option visible. Logout option visible. Redirected to Dashboard screen	Everything is visible as we want.	As expected.	Pass.

Project Name: Amar Khata			Test Designed by: Mahir Mahmud Siam	
Test Case ID: TC4			Test Designed date:06/01/26	
Test Priority (Low, Medium, High): High			Test Executed by: Mahir Mahmud Siam	
Module Name: Transaction Logs			Test Execution date: 06/01/26	
Test Title: Transaction List				
Description: Verify Transaction List Display				
Preconditions: User is on the Transaction Logs page.				
Dependences: Database, Dashboard Module				
Test Steps	Test Data	Expected Result	Actual Results	Status (Pass/Fail)
1.Open application 2.Login to system 3. Open Transaction Logs	Business owner account credentials	- Transaction list loads - Date, Amount, Type visible - Search bar visible	- Transaction list loads - Date, Amount, Type visible - Search bar visible - Filter option available - Pagination/Scroll works	Pass

Project Name: Amar Khata			Test Designed by: Mahir Mahmud Siam	
Test Case ID: TC5			Test Designed date: 10/01/2026	
Test Priority (Low, Medium, High): high			Test Executed by: Mahir Mahmud Siam	
Module Name: Dashboard & Analytics			Test Execution date: 10/01/26	
Test Title: Dashboard				
Description: Verify Dashboard Layout Loading				
Preconditions: Logged in as Business owner				
Dependence: Transactions				
Test Steps	Test Data	Expected Result	Actual Results	Status (Pass/Fail)
1.Go to the page 2.Log in 3.Access dashboard	Business owner credential	- Total Income Card - Total Expense Card - Net Profit Card - 12-Month Transaction Chart - Navigation Sidebar	- Total Income Card - Total Expense Card - Net Profit Card - 12-Month Transaction Chart - Navigation Sidebar	Pass

Project Name: Amar Khata			Test Designed by:Mahir Mahmud Siam	
Test Case ID: TC6			Test Designed date:19/01/26	
Test Priority (Low, Medium, High):low			Test Executed by:Mahir Mahmud Siam	
Module Name: Financial Summary			Test Execution date:19/01/26	
Test Title: Net Profit Calculation View				
Description: Verify net profit calculation and display accuracy				
Preconditions: Logged in as Business Owner, Income and Expense data available				
Dependencies: Transactions Module, Dashboard Module				
Test Steps	Test Data	Expected Result	Actual Results	Status (Pass/Fail)
1. Open application 2. 2. Login to system 3. 3. Open Dashboard	Business owner account credentials	- Net Profit value calculated correctly - Income minus Expense shown - Profit status indicator visible - Data refresh reflects latest entries	- Net Profit value calculated correctly - Income minus Expense shown - Profit status indicator not visible	Fail

Project Name: Amar Khata			Test Designed by: Sabrina Rahaman	
Test Case ID: TC7			Test Designed date: 06/01/26	
Test Priority (Low, Medium, High): High			Test Executed by: Sabrina Rahaman	
Module Name: Dashboard & Analytics			Test Execution date: 06/01/26	
Test Title: Report [Business Owner]				
Description: Verify that the Business Owner can view accurate and comprehensive financial reports from the Dashboard & Analytics module.				
Preconditions: Business Owner is logged into the Amar Khata system				
Dependencies: Transection management module				
Test Steps	Test Data	Expected Result	Actual Results	Status (Pass/Fail)
1.Navigate to Dashboard 2.Open Reports Section 3.View income, expense & profit summary 4. Filter report by category	1.Valid Business owner login 2. Existing transection records 3.Sample financial data 4.Category	1.Dashboard load successfully 2.Report page open without error 3.Net profit are displayed 4.Report update correctly	1. As Expected, 2. As Expected 3. As Expected 4. As Expected	Pass

Project Name: Amar Khata			Test Designed by: Sabrina Rahaman	
Test Case ID: TC8			Test Designed date: 16/01/26	
Test Priority (Low, Medium, High): Medium			Test Executed by: Sabrina Rahaman	
Module Name: Vehicle & Driver Management			Test Execution date: 16/01/26	
Test Title: Vehicle Inventory [Business Owner]				
Description: Verify that the Business Owner can view, search, and manage the complete vehicle inventory.				
Preconditions: Business owner is logged in				
Dependencies: Vehicle Management Module				
Test Steps	Test Data	Expected Result	Actual Results	Status (Pass/Fail)
1.Navigate to vehicle inventory 2.View vehicle list 3.Search vehicle 4. Select a vehicle	1.Valid Login 2.Existing vehicle data 3. Vehicle id/name 4. Vehicle record	1.Vehicle inventory page opens 2.Vehicles are displayed correctly 3.Vehicle records are shown 4.Details load Successfully	1. As Expected 2. As Expected 3. As Expected 4. As Expected	Pass

Project Name: Amar Khata			Test Designed by: Sabrina Rahaman	
Test Case ID: TC9			Test Designed date: 16/01/26	
Test Priority (Low, Medium, High): Medium			Test Executed by: Sabrina Rahaman	
Module Name: Vehicle & Driver Management			Test Execution date: 16/01/26	
Test Title: Add Vehicle & Driver [Driver]				
Description: Verify that the Business Owner can add and manage driver information with proper validation				
Preconditions: Business owner is logged in				
Dependencies: Driver Management Module				
Test Steps	Test Data	Expected Result	Actual Results	Status (Pass/Fail)
1.Navigate to Driver Management 2.Add new Driver 3.Leave mandatory field empty 4.Assign driver to vehicle	1.Valid Login 2.Name,Phone,License 3.Blank driver name 4. Vehicle ID	1.Driver Management page opens 2.Deiver is added successfully 3. Validation massage is shown 4.Driver assign successfully	1. As Expected 2. As Expected 3. As Expected 4. As Expected	Pass

Project Name: Amar Khata			Test Designed by: Shaikh Zarif Shahriar	
Test Case ID: TC10			Test Designed date: 15/01/2026	
Test Priority (Low, Medium, High): Medium			Test Executed by: Shaikh Zarif Shahriar	
Module Name: Transaction Oversight			Test Execution date: 15/01/2026	
Test Title: Verify filtering transactions by status				
Description: Test if the filter status dropdown correctly sorts transactions				
Preconditions: Admin is on the Admin Overview page				
Dependencies: Transaction history must be populated				
Test Steps	Test Data	Expected Result	Actual Results	Status (Pass/Fail)
1. Scroll to "Transaction Oversight". 2. Click "Filter Status" dropdown. 3. Select "Failed". 4. Click the "Search" button.	**Filter:** Failed	The transaction table should only display entries with a "Failed" status.	As expected	Pass

Project Name: Amar Khata			Test Designed by: Shaikh Zarif Shahriar	
Test Case ID: TC11			Test Designed date: 15/01/2026	
Test Priority (Low, Medium, High): Medium			Test Executed by: Shaikh Zarif Shahriar	
Module Name: User Management			Test Execution date: 15/01/2026	
Test Title: Verify search functionality for users				
Description: Test if the admin can search for a specific user by name				
Preconditions: Admin must be logged into the dashboard				
Dependences: Existing user data in the database				
Test Steps	Test Data	Expected Result	Actual Results	Status (Pass/Fail)
1.Navigate to the Admin Dashboard. 2. Locate the "Search User..." bar. 3. Enter a valid user name. 4. Press Enter or wait for results.	Username: John Doe	The table should filter and display only the profile for "John Doe".	As expected	Pass

Project Name: Amar Khata			Test Designed by: Shaikh Zarif Shahriar	
Test Case ID: TC12			Test Designed date: 15/01/2026	
Test Priority (Low, Medium, High): High			Test Executed by: Shaikh Zarif Shahriar	
Module Name: User Management			Test Execution date: 15/01/2026	
Test Title: Verify "Ban" action functionality				
Description: Test if the admin can successfully ban an active customer				
Preconditions: Target user must have "Active" status				
Dependencies: Admin has permissions to modify user status				
Test Steps	Test Data	Expected Result	Actual Results	Status (Pass/Fail)
1. Go to User Management section. 2. Identify an active user (John Doe). 3. Click the "Ban" button in the Actions column.	**Target User:** john@example.com	The user's status should change from "Active" to "Banned".	As expected	Pass

Project Name: Amar Khata			Test Designed by: Mozammel Hossain Mahim	
Test Case ID: TC13			Test Designed date: 15/01/2026	
Test Priority (Low, Medium, High): High			Test Executed by: Mozammel Hossain Mahim	
Module Name: Financial Operations			Test Execution date: 15/01/2026	
Test Title: Verify Add Transaction with valid data				
Description: Check whether Driver/Owner can successfully add an income or expense transaction.				
Preconditions: □ User is logged in as Driver or Owner □ Vehicle already exists in the system				
Dependencies: Valid vehicle data				
Test Steps	Test Data	Expected Result	Actual Results	Status (Pass/Fail)
1. Login as Driver/Owner 2. Go to Add Transaction page	Valid credentials —	User logged in Page loads	As expected	pass

Project Name: Amar Khata		Test Designed by: Mozammel Hossain Mahim		
Test Case ID: TC14		Test Designed date: 15/01/2026		
Test Priority (Low, Medium, High) Medium		Test Executed by: Mozammel Hossain Mahim		
Module Name: Account Management		Test Execution date: 15/01/2026		
Test Title: Verify Profile Settings update				
Description: Check whether Driver/Owner can update profile settings successfully.				
*Preconditions: User is logged in				
Dependencies: Valid existing account				
Test Steps	Test Data	Expected Result	Actual Results	Status (Pass/Fail)
1. Login to system 2. Open Profile Settings	Valid credentials —	Login successful Profile page opens	As expected	Pass

Project Name: Amar Khata		Test Designed by: Mozammel Hossain Mahim		
Test Case ID: TC15		Test Designed date: 15/01/2026		
Test Priority (Low, Medium, High) High		Test Executed by: Mozammel Hossain Mahim		
Module Name: Admin Administration		Test Execution date: 15/01/2026		
Test Title: Verify Admin can view all user logs				
Description: Check whether Admin can successfully view user activity logs.				
*Preconditions: *dmin account exists *Admin is logged in				
Dependences: User activities available in system				
Test Steps	Test Data	Expected Result	Actual Results	Status (Pass/Fail)
1. Login as Admin 2. Go to Admin Dashboard	Valid admin credentials —	Login successful Dashboard loads	As expected As expected,	Pass

6. CONCLUSION

- Write a conclusion within 180 to 200 words.

The Amar Khata project successfully solves the issues that have plagued Bangladesh's transportation and vehicle management sector for a long time: managing finances by hand and in pieces. The system makes sure that all stakeholders have access to accurate, open, and real-time financial information by turning traditional paper-based khata methods into a centralized digital platform. The obvious division of roles, Business Owner, Driver, and Admin, allows each user to do their job well while keeping the data safe and making sure everyone is responsible.

Amar Khata is a full and useful solution that meets real-world needs by adding core capabilities, including role-based authentication, dashboard analytics, transaction logging, vehicle and driver management, and report generation. The Scrum development approach lets the team work in small steps, adjust to changes in requirements, and work together successfully, which led to a system that was well-structured and could grow. Also, following the right Git workflow and doing systematic software testing made sure that the code was high-quality, reliable, and open to teamwork.

In conclusion, Amar Khata shows how careful system design, user-centered features, and rapid development can work together to solve actual difficulties with keeping track of money. The project not only accomplishes its goals, but it also sets the stage for future improvements like mobile optimization, offline support, and advanced analytics. This makes it a long-lasting and useful solution.