**Transport System Walkthrough**

**How the Login System Works:**

When you open the transport app, you'll see different login options depending on whether you're a student, teacher, or staff member. Students log in with their ID and a default password "student123". Teachers use their ID with a one-time code "123456", while staff members enter their ID with a simple PIN "0000". Once you successfully log in, the system shows you a menu with options made just for your role.

**Students**

After logging in, students can see information about their assigned bus route, including where they get off and whether they've paid their semester fees. To pay fees, students use the payment option in the system, which marks their fee status as paid - this payment is required to use the bus service. When boarding the bus, students tap their card and the system checks if their fees are paid and if they're registered for that route. If everything checks out, their attendance is recorded. If there's a problem, like unpaid fees, the system shows an error message. At the start of each new semester, all student fees are automatically reset to unpaid status.

**Teachers**

Teachers have access to similar features. They can view their bus route details, including their reserved seat number and monthly fee status. Teachers must pay monthly fees to use the service. When boarding, the system checks their monthly payment status and route registration before recording attendance and allowing them to use their assigned seat. The system resets fee status at the start of each new month.

**Staff Members**

Staff members use the system like teachers do. They can check their assigned bus route and monthly payment status. Payment is required monthly. Their fees also reset at the start of each month, requiring new payment to continue service.

The menu provides users with additional features such as adding/removing a route, stop etc

The data is stored in separate files. There are files for student, teacher, and staff details, plus files for bus and stop information. When new users register or changes are made, the system immediately saves this.