DETAILED OVERVIEW OF APP FUNCTIONALITY

The goal of this web-App is to create a centralized platform where students can connect, share services, ride-share, buy and sell products, engage in campus activities, and collaborate academically. The app will be to cater the specific needs of students, with features that help them navigate campus life more efficiently and effectively. The design of this app is a very important feature

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1. USER PROFILES

Objective: Allow students to create personalized profiles that reflect their identity, academic details, and the services they offer or seek.

- **Registration & Login**: Students can register using email or campus credentials. The login process will be straightforward, allowing them to use campus IDs (800 number) or email-based registration.
- **Profile Sections**:
    - **Basic Information**: Students can include their name, major, year, contact details, and profile picture and address.
    - **Service Listings**: If a student is offering a service (e.g., tutoring, design, photography), they can describe it in this section.
    - **Ride-Share Participation**: Students who offer or need rides can indicate their availability and car details.

This feature personalizes the experience and lets students know who they are interacting with, whether they are booking a service, ride, or joining a study group.

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2. SERVICE MARKETPLACE

Objective: A platform for students to list and advertise services they provide to their peers.

- **Service Listings**: Students can post the services they offer, including:
    - **Service Description**: Clear information about what the service is (e.g., tutoring, haircuts, fitness training).
    - **Media Uploads**: Students can upload photos or videos showcasing their work.
    - **Pricing**: Each service provider can set a price range for their services.
    - **Reviews & Ratings**: Other students can leave reviews and ratings based on their experience with the service.
- **Service Search**: Students who need a service can search based on categories (e.g., tutoring, graphic design), availability, and price.
- **Service Booking**: Students can book a service directly from the app, communicate with the provider, and arrange appointments.

This feature helps students showcase their skills and earn extra income while offering valuable services to their peers. It also allows students to find services that they may need on or around campus.

3. ON-CAMPUS UBER (RIDESHARING)

Objective: A ride-sharing feature that allows students with cars to offer rides to other students within or around campus.

- **Driver Registration**: Students with cars can register as drivers, providing details like their vehicle type, availability, and preferred ride times.
- **Ride Requests**: Students who need a ride can request one, choosing from available drivers based on proximity or other preferences (e.g., type of car, availability).
- **Real-Time Tracking**: The app will integrate with Google Maps or another mapping service to allow students to track their ride's location in real-time.
- **Ride Payment**: Payment can be handled within the app or as a cash exchange after the ride. Initially, this could be a free service for convenience, but over time, the app could incorporate in-app payments through services like Stripe or PayPal.

This feature offers convenience for students without cars, particularly international students or those living on campus without personal vehicles. It also provides a way for students with cars to earn extra money by offering rides.

4. CAMPUS MARKETPLACE

Objective: A marketplace where students can buy and sell products relevant to campus life.

- **Product Listings**: Students can list items for sale, such as textbooks, electronics, dorm supplies, and other essentials. Each listing includes:
  - **Images**: Clear photos of the items.
  - **Descriptions**: Detailed information about the product.
  - **Prices**: Set by the student selling the item.
  - **Categories**: Products will be categorized (e.g., books, electronics, furniture) for easy browsing.
- **Chat System**: Interested buyers can communicate directly with sellers through a built-in chat system to negotiate prices or ask questions.

The marketplace makes it easier for students to buy affordable items on campus, especially textbooks or other study materials, and it helps sellers quickly offload items they no longer need.

5. ASSIGNMENT AND STUDY GROUPS

Objective: Provide a space where students can collaborate academically, join study groups, and share resources.

- **Class-Based Groups**: Students can join study groups based on the courses they are currently taking. The platform can pull course details from the university's system or allow students to manually input their class information.
- **Study Groups**: Students can create and join study groups based on their major or specific classes. Within these groups, they can share notes, discuss assignments, and arrange study sessions.
- **Assignments Sharing**: A feature that allows students to upload and share assignments, notes, and study materials with others in the group.
- **Group Chat**: A built-in group chat or forum for students to discuss assignments, exams, or other academic matters.

This feature fosters collaboration among students, particularly those in the same class or major. It helps students connect and work together more efficiently, promoting better academic outcomes.

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6. EVENTS AND CAMPUS ACTIVITIES

Objective: A hub for students to discover, promote, and participate in on-campus events.

- **Event Creation**: Students or organizations can post events happening on campus (e.g., club meetings, sports events, parties, academic talks). Event posts will include:
    - **Date and Time**
    - **Location (with map integration)**
    - **Ticketing (if applicable)**
    - **Description and Media**: Event hosts can upload images or videos to promote the event.
- **Event Search**: Students can browse or search for events based on categories (e.g., academic, social, sports) or interests.
- **Activity Feed**: The app's homepage will display an activity feed where students can see upcoming events, recent posts, and trending activities.

This feature keeps students engaged in campus life and informed about all the social, academic, and cultural events happening around them.

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7. NOTIFICATIONS AND ALERTS

Objective: Provide timely notifications to users about important actions and events within the app.

- **Service Bookings**: Notifications for service booking confirmations, service provider responses, and updates.
- **Ride Alerts**: Notifications for ride request confirmations and ride status updates (e.g., driver is nearby).
- **Group Messages**: Alerts when someone posts in a study group or shares new assignment material.
- **New Event Notifications**: Alerts for upcoming events that match the user's interests or classes.

Notifications ensure that users stay updated about the services, rides, products, or events they are involved with and help keep them engaged with the platform.