

# **Comet Courier - Project Scope**

## **SE/CS/CE 3354 - Software Engineering**

### **Group 3**

#### **1 Riders**

- 1.1 Create a ride request with origin (or current location), campus destination, and desired time window
- 1.2 View nearby drivers headed to campus
- 1.3 Send pickup request; cancel request
- 1.4 Rate completed rides
- 1.5 (optional) Recurring ride requests (e.g., M/W/F 8:00 AM)

#### **2 Drivers**

- 2.1 Post commute: departure window, seats available, pickup radius
- 2.2 Accept / decline ride requests
- 2.3 Edit & delete commute posts
- 2.4 Start & end trip
- 2.5 (optional) Set default per-seat price or fixed contribution

#### **3 Matching**

- 3.1 Filter matches by time window overlap and available seats
- 3.2 Limit by maximum pickup detour distance/time
- 3.3 Sort by best fit (detour, ETA)
- 3.4 (optional) Auto-suggest matches for recurring commutes

#### **4 Messages**

- 4.1 Conversation view between rider and driver for each request
- 4.2 Send & receive text messages
- 4.3 Notifications for new requests, acceptances, and arrival
- 4.4 (optional) Quick canned messages ("On my way", "Here")

#### **5 Accounts & Profiles**

- 5.1 Sign up / sign in with school email verification + school id
- 5.2 Basic profile (name, program); driver adds vehicle info (make/model/color)
- 5.3 (optional) Profile photo

#### **6 Safety & Moderation**

- 6.1 Ratings (1–5) and short feedback tags
- 6.2 Report/block users
- 6.3 (optional) Share trip status with a trusted contact

#### **7 Other**

- 7.1 Campus map with pickup hotspots
- 7.3 Zoom/scroll support when necessary