

Software Engineering-User Stories

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Aoife Murphy (The Busy Student):

Aoife often arrived late to her morning lectures after wasting time circling crowded parking lots, stressing herself out as she searched for an open spot. The SETU Parking App eliminates this struggle with its real-time parking availability map, showing her exactly where to find open spaces (marked in green) near her lecture hall. By saving her favorite spots in the app, she can quickly navigate to reliable parking areas, ensuring she arrives on time and stress-free, with no more frantic last-minute searches.

Dr. John O'Sullivan (The Part-Time Lecturer):

Dr. O'Sullivan dreaded mornings when he'd arrive on campus only to find all parking spots near the computer science building already taken, forcing him to park far away and rush to his meetings to be on time. With the app's pre-booking feature, he now reserves a spot the night before, guaranteeing a space close to his department the next morning. The real-time updates ensure he's alerted if his spot becomes unavailable, allowing him to adjust plans seamlessly and maintain punctuality.

Sofia Martinez (The International Student):

Sofia struggled to navigate parking signs in English, often parking in the wrong zones or missing open spots due to language barriers. The app's multilingual support lets her switch to Spanish, making instructions clear and concise. The campus-specific parking zones guide her to spots near the library, and the peer-sharing feature allows her to send her location to friends, turning chaotic, confusing group meetups into quick, coordinated plans.

Mary Byrne (The Campus Staff Member):

Mary's mobility issues made long walks to and from distant parking spots exhausting, especially when carrying materials for late meetings. The app's accessible parking filter highlights nearby, suitable spots, while the customer support feature lets her report issues like broken sensors directly, so that they can be effectively fixed. With these tools, she

parks close to her office effortlessly, conserving energy and avoiding the frustration of inaccessible parking.

Liam Walsh (The Commuting Parent):

Liam juggles dropping his kids at school before rushing to his part-time classes at SETU, often leaving him scrambling to find parking with only minutes to spare. The SETU Parking App helps him plan ahead with its peak hours alerts, warning him when parking is busiest so he can leave earlier. The parking history feature remembers his frequently used zones near the education building, letting him grab a spot quickly and get to class without worrying about being late for school pickup later in the day. No more frantic calls to his wife about being behind schedule—just smooth, predictable parking.

Shauna O'Brien (The Evening Gym-Goer):

Shauna hates cutting her workouts short to move her car when evening parking restrictions kick in near the campus gym, SETU Arena. With the app's time-based parking notifications, she gets reminders 15 minutes before her parking expires, so she can extend her session or move her car stress-free. The campus-specific zones even highlight the best after-hours parking areas near the gym, so she doesn't waste time looking for safe parking. Now, she can focus on her fitness—not parking tickets or getting clamped.