

Emerging Trends

BSc Computing
Portfolio, BA
Computer Animation,
BA Games Design.

ACCB6019

Hackathon 2026

UWTSD ShareRide App

The Pitch

Here is where your journey begins



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Introduction and the Team

- Daniel Rainiks - Animation and VFX
- Shaun Hancock- Animation and VFX
- Mohammed Ansari - Cybersecurity
- Jake Evans - Applied Computing
- Jonathan Lesmond - Applied Computing
- Philip Richmond - Games Design

The Idea



University integrated
car sharing app.



Travel from home to
campus and between
UWTSD sites.



Reduce parking
pressure and
congestion.



Save student money
and time on public
transport.



Safer, Verified
university managed
system



Adds social and
community value

Problem We're Trying to Solve

High parking demand across UWTSD sites

Too many single occupancy vehicles

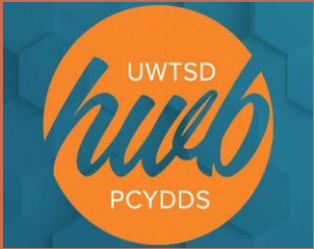
Increased pollution and emissions

Unreliable public transport

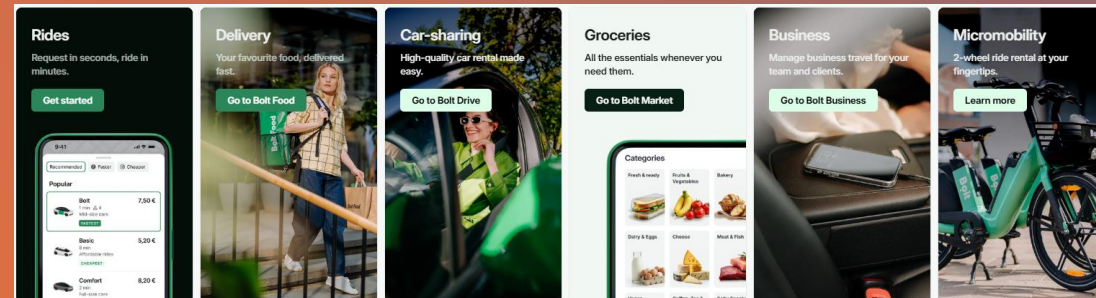
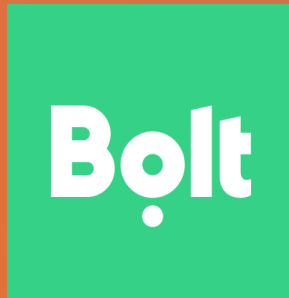
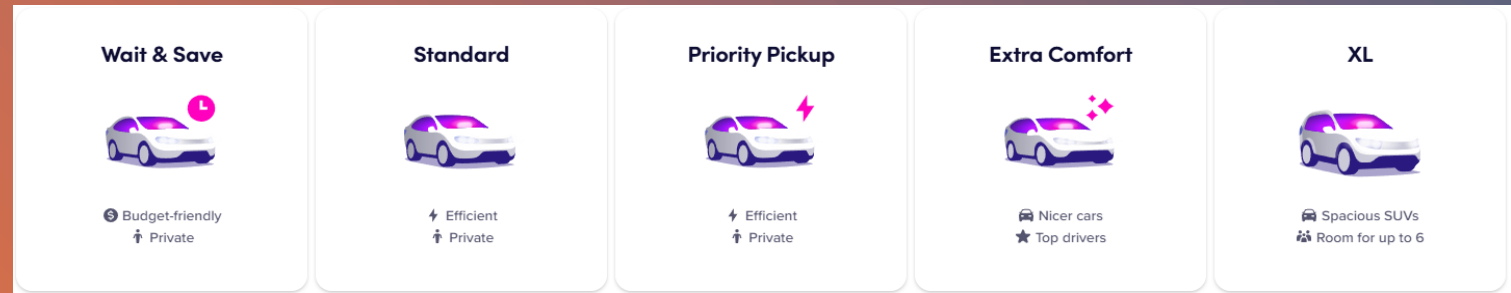
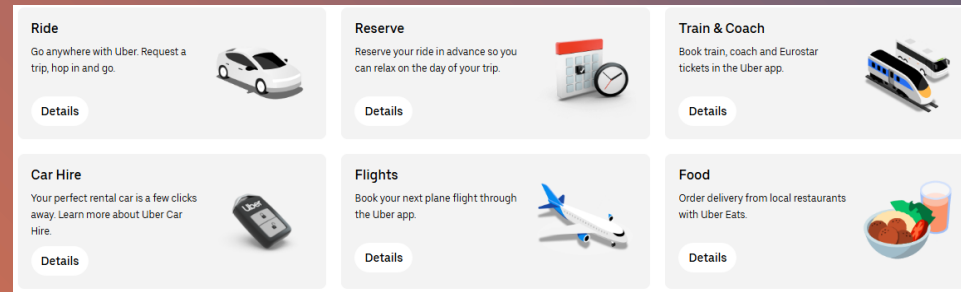
Weak social connection between course

Management of the Team

- Project lead and Coordinator
- Discord for communication and discussion
- Shared PowerPoint for Collaboration
- Early brainstorming, notes structured in a clean plan
- Deadline set for presentation progress
- Clear section ownership for team members



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Driver incentives



Coffee



Merchandise

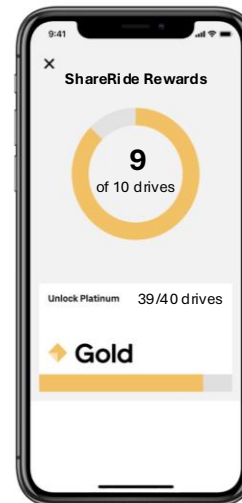


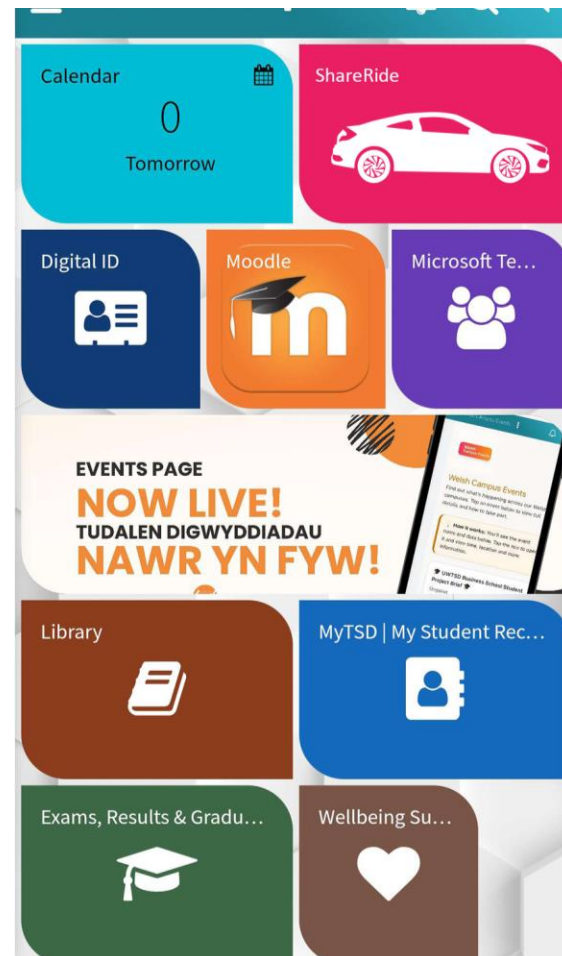
**Guaranteed
parking**



**First aid
training**

A reward system – The trips taken by the driver will accumulate allowing them to get better rewards over time.





Integration with
the HWB app



Design of the app

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Tags

Wheelchair use: If the driver's car is wheelchair friendly & on a user's profile it shows if they are a wheelchair user.

Food allowed: If the driver allows food

Allergy: What type of allergy the user or driver may have

Medical: Any type of medical problems & conditions.

More to be added

Mohammed Ansari 2024571

- Driver / Rider Profile Verification – University ID
 - Must be from the same campus.
- The driver will announce their availability (date / time / vehicle information) along with route details (accessible to all).
 - This booking interface will feature a calendar background.
- The rider will confirm the time slot by providing necessary information, which is only visible to the driver and riders. (Mandatory: Mobile Number.)
- All interactions between the driver and rider will occur via university email or mobile (if both parties consent).
- At the pick-up location, the university ID will be displayed for verification and safety purposes.
- Backups of all information.
- The university support team will manage any urgent issues.
- The standard contact details will remain unchanged for any road emergencies (e.g., 999).

Risk Management + Accessibility



- Research into accessibility needs – service animals, wheelchair users, first aiders
- Research into Safety policies (comparing those of taxi services, Uber, Lyft)
- Working with other team members to work on best safety/accessibility designs and security features
- Application would need security features for both driver and passenger (GPS, automated chatbot, driver/passenger logs)
- Driver applications – driver license and vehicle checks (MOT, TAX) - Refuse drivers with more 6 points (example)
- Terms of Service for drivers and passengers – forms that allow for liability and safety concerns.

Data Science

- Collecting and analysing customer feedback and incident reports
 - Driver ratings to monitor driver activity
- Analysing user demand
 - Using machine learning to predict delays in journeys

Any questions?

Google Form Questionnaire

