

Abstract

“UniRide” is a secure, student-exclusive carpooling platform designed to combat high transport costs, unreliable public transport and campus congestion. It offers safety verification, secure user authentication, GPS based ride matching, live location sharing and updates. With features such as real-time seat availability, in-app chats, automated fair splitting, secure payments and driver/student ratings. Built with collaborative tools like Figma, GitHub, Trello, Flutter and Python – it follows an Agile model with principles of modularity, user-centred design, usability, iterative feedback and security. Deliverables include a functional prototype, documentation, UML diagrams, test reports, a demo and presentation, ensuring accessibility and safety for university students.