UW Carpool Application

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Presented by: Group 9
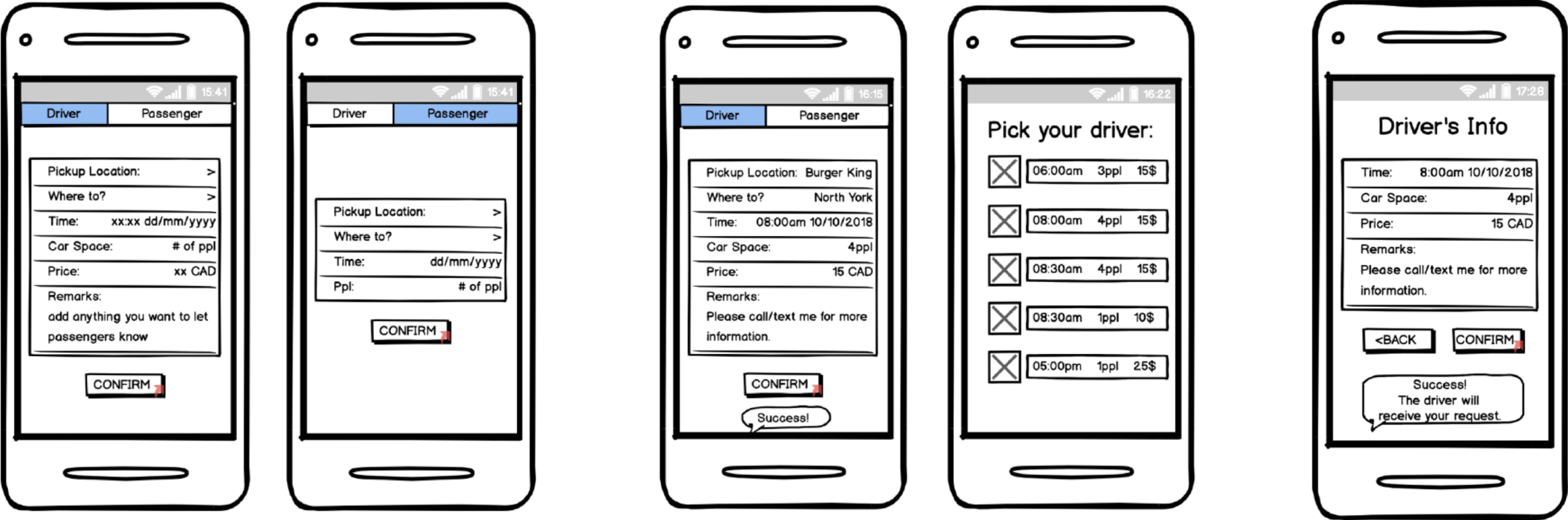
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Idea of Project

- An application provides carpool information to help both drivers and passengers match demands in the Android OS

- Demands:

I. Carpool gives much convenience for students and it is environmental friendly

II. A more intelligent way for finding carpool is in need since the current Carpool information is disordered

- Our Project: Providing an efficient way to help demanders to find available offers

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Functionality

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Non-functional Properties

- Response Time: 95% response time for the login transaction should be less than 2s and for searching should be less than 3s for peak workload during normal operations.

- File size : The overall size of the mobile application is less than 100 MB.

- Scalability: The application can accept at least 20 users online simultaneously.

- Reliability: The back-end server of the application will be deployed on a professional third-party platform which has 24x7 customer support, which ensures reliability.

- Compatibility: Our Android project will use API 21: Android 5.0 (Lollipop), by targeting it, the app will run on approximately 85.0 % of devices. This data was referenced from Android Platform/API Version Distribution.

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