Server Side Functional Components

Cars Locations → **Real-Time Map** → Update Dashboard

Dashboard

Access All Data in Database

Server

Car

Sensor Reading → **Location** → Location to Server

User Confirmation → **Assign Car** → **Path Plan**

User Confirm → **Confirmation** → Open / Close Car for user

User Location - Car Location → **Path Plan** → Path to assigned user

Sensor Reading - Location / End Trip / Cancellation → **Parking Spot** → State of Parking Spots / Going to Parking Spot

End Trip → **Parking** → Search for nearest place

User Stopped → **Emergency Stop** → **Parking**

User

Username / Password → **Login** → User Logged In

User Data → **Sign Up** → Update Database

Feedback Data Fill → **Feedback** → Update Database

User Confirm for trip → **Available Cars** → List Cars available

Choose Nearest Car → **Path** → Path to selected car

User Confirm [Arrival - Finish] → **Confirmation** → Open / Close Car

User Stopped → **Emergency Stop** → **Parking**

Cancel Confirm → **Cancellation** → **Parking Spot** → **Assign to new user**

Using Parcodes → **Offers** → Update Database

Access User Wallet → **Wallet** → Update Database