

Book a car - App

Client & Story

The client has a pool of cars each employee can reserve. He wants to handle the booking of those cars with a native mobile app.

The client provides the list of current available cars and their details as JSON. The backend isn’t complete yet, so any booking must get stored locally at first. Later there will be a complete backend to handle the reservations.

Technical defintions

- Phone and Pad must be supported
- Deployment target:
 - iOS 10.0, Swift
 - Android: API level 21

Design guidelines

- Name of the app is “CarBooking”
- Applcon: Not defined so far.
- Colors:
 - Primary color: 172 / 207 / 204
 - Secondary color: 89 / 82 / 65
 - Accent color: 138 / 9 / 23
- Font: Use default font provided by system

Basic app requirements

- As a user I want to see a list of all available cars, sorted alphabetically by the name.
- As a user I want to see the details for each car, including the provided image, if possible.
- As a user I want to be able to book a car in the details view.
- As a user I want to be able to set a custom booking start date and time (default is the next day at 9:00 am).
- As a user I want to be able to define the booking duration per day (minimum 1 day (24 h), maximum 7 days)
- As a user I want to see a list of all my recent and former bookings (storage local only, perparation for backend sync should be concidered).
- As a user I want to see the details for each booking containing car and booking information.
- As product owner I want to have the app to be english only at first, with the option to add other languges later easily.

Required Screens

- Car list
- Car details
- Booked cars
- Booking details

API

- The list can be loaded from <http://job-applicants-dummy-api.kupferwerk.net.s3.amazonaws.com/api/cars.json>
- A detail can be loaded from <http://job-applicants-dummy-api.kupferwerk.net.s3.amazonaws.com/api/cars/{id}.json>

cars.json

Parameter	Type	Description	Optional
id	Number	Unique ID for a car.	
name	String	The name of the car.	
shortDescription	String	A short description about the car.	x

cars/{id}.json

Parameter	Type	Description	Optional
id	Number	Unique ID for a car.	
name	String	The name of the car.	
shortDescription	String	A short description about the car.	x
description	String	Full description about the car.	
image	String	Relative image path for the cars image.	

Optional features (if there is some time left)

- Add a Pull to refresh, to load any updates from service
- A local notification should get presented when a booking starts. A tap on, the corresponding booking detail view should get shown in the app