Sprint Review — Sprint 3

Sprint goals

- Finish deciding design choices
- Sketch design of website on mobile devices
- Setup backend entity classes
- SQL database generated with JPA according to entity classes

Design Choices

- Yellow Primary Color
  - Conveys energy, optimism and happiness which is appealing for people wanting to rent a car, maybe this feeling affect their purchase
  - Can be too bright so we are trying to find slightly darker versions
  - Saw a big difference between two monitors. We have to be aware that the color scheme we want might look different on other devices/resolutions.
- Black secondary color
  - Complements a good contrast against yellow making text and important elements stand out
- Bright warm color to signify happiness and stimulate energy (Red, yellow, orange)
- Big icons and links to help people with disabilities navigate the site (visually impaired example)
- Ease of access, reach the goal of the site fast by having bookable cars on the main site
- Simple site for easy usage
- Filters for quick, easy and sorted view of the cars available for the user

Design for mobile
- We made a sketch that represents the intended look of the website on mobile devices.
- Mobile version includes a hamburger/toggle menu for the navigation links, so that the links don't take too much space on smaller devices.

Connecting database to backend

- We implemented our database model into entity classes on our backend and created relations between them with annotations.
- Example: Car has a @ManyToMany relationship with Extra features since each car can have multiple extra features. This relationship is represented in a join table.

Mobile Design	Main difference for mobile devices is the toggle menu that holds the navigation links.
Database	We made the sql database and filled in the sample data of all the Cars.
Database Model	We made changes to the database model when implementing the entity classes. We decided to include an extra table to represent the "Extra features" of cars. This allows us to query cars with specific features more efficiently.
Oscar	Responsible for deciding on the final design decisions and sketching the design for mobile applications.
Jeremy	Responsible for setting up the backend entity classes and generating the sql database.

Review

Overall we made significant progress during this sprint, particularly in deciding our design choices and connecting our database to the backend of the project. We pursued completing tasks related to the feedback we got from our last sprint review, so that we can refine our design and functionality. We set up backend entity classes and made a SQL database generated with JPA according to entity classes. This has given us a good foundation for integrating a successful backend.

Upcoming

Sprint 4 (current/ongoing)

Goals:

- Complete frontend-backend integration
  - Ensure seamless data flow between the frontend and backend using HTTP requests
- User testing
  - Conduct user testing to gather feedback on our design and functionality, and make necessary adjustments
- Start implementing booking feature
  - Begin work on the car booking feature, which is central to our application

- Search functionality
  - Be able to search for cars on the front end via the database