Dan's Car Barn Rent-A-Car

Group 3
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Overview

Group Expertise and Roles: (pls add your thoughts)

Ethan (Lead Engineer?): Backend Authentication

Jaxson (): Frontend API

Jayden (): Frontend Search

Benson (): API Backend

Overview

Deployment:

- Needed features are added.
- Secure Authentication.
- DataBase Design allows scale for users, cars, reservations.

Burndown

Renting A Car

Requirement: Allowing users to schedule and rent cars from your company.

FURPS+:

- Usability: This is the main function of our site.
- Reliability: This must be reliable to maintain customers. We have included necessary checks and authentication to ensure this.

Audience-oriented: End-users reserving cars

MoSCoW: Fits the Must Have

Renting A Car

Design Decisions:

- Decided to Store reservations as there own column with associations for quick and easy ways to find there users and cars.
- Decided to allow users the ability to schedule times to rent.

Renting A Car

Scrum Tasks:

- Reservation Model (Completed by Ethan/Benson)
- User Authentication (Completed by Ethan)
- Rental API access (Completed by Benson)
- For and front end API communication (Completed by Jaxson)
- Car Catalog and details (Completed by Jayden)

Paying Employees

Requirement: Allowing a manger to automatically pay employees from there logged hours.

FURPS+:

- Usability: This adds valuable QoL.
- Reliability: This generally improves reliability by removing human error.
- Performance: this will significantly improve the time for payroll.

Audience-oriented: Allows Employees easy tracking of hours and quick payments.

MoSCoW: Fits the Should Have.

Paying Employees

Design Decisions:

- Managers can Pay Employees with a single button from the manager menu.
- Employees can track and enter hours from the employee dashboard.

Paying Employees

Scrum Tasks:

- User Models (Completed by Benson)
- Employee/Manager Authentication (Completed by Ethan)
- Dashboard API integration (Completed by Jaxson)
- Dashboard Frontend (Completed by Jayden)

Adding Money to Wallet

Requirement: Allowing users to add money to there rental wallet.

Requirement: Allowing users to schedule and rent cars from your company.

FURPS+:

- Usability: Allows for The site to automatically track funds for Employees and Users
- Reliability: Site can Run Rentals wallets and payments at anytime seamlessly

Audience-oriented: Provides an Economy for the site. Benefiting all users and workers

MoSCoW: Fits the Must Have

Adding Money to Wallet

Design Decisions:

- Managers can Pay Employees with a single button from the manager menu.
- Employees and Users can add or subtract funds from their accounts at any time.

Adding Money to Wallet

Scrum Tasks:

- Employee/Manager Authentication (Completed by Ethan)
- Wallet View and Front end integration (Completed by Jaxson)
- Wallet API (Completed by Benson)

Increase balance Use Video

/docs/videos/wallet.mp4

Rent a Car Use Video

/docs/videos/Rent.mp4

Pay Employees Use Video

/docs/videos/Payment.mp4

Log Hours Use Video

/docs/videos/Hours.mp4

Resources

Sequelize documentation:
https://sequelize.org/docs/v6/getting-started/

Express documentation: https://expressjs.com/en/guide/routing.html

Vue documentation: https://vuejs.org/guide/introduction.html

Mozilla JS documentation;
https://developer.mozilla.org/en-US/docs/Web/JavaScript

Npm : https://docs.npmjs.com/

Questions?