Overview of Car Rental System:

The BeAvis Car Rental Service facilitates the renting and returning of cars from a San Diego-based company that owns all the cars that are borrowed. The software provides accurate information on which cars are available to borrow, the conditions of all the cars, and the price of borrowing certain cars. The software system can either be run on iOS and Android devices via a mobile app or on computers through a website connected to the Internet. Multiple web pages on the website are created; these include a home page where the user logs in or creates an account, enables 2-factor authentication, and verifies that their account meets the minimum requirements necessary to rent a vehicle. A web page for browsing cars is created so that the user can have access to a wide variety of cars based on specifications or location through a 3rd party GPS application/service and rent vehicles. This page also lets customers set a review for the car they have rented. Employees have a separate login where they are prompted to a secured page that gives them certain permissions such as viewing rental agreements signed by users, viewing the status of cars in the current fleet, and updating the status of these vehicles. Finally, a user account page will let users access and update their personal information, add payment methods to their accounts via an API, and view their rental history.