

CSE 236 Assignment - Car Rental Software

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Software Requirements for Customers




















- User can create an account with his/her username, email address, and password.
- User can login with his/her email address and password.
- User can view dealers and their websites.
- User can obtain information from the about page.
- If user wants to contact or ask a question, he/she can visit the contact page.
- User can view specifications of all cars.
- If the car is in stock and the user is logged in, then he/she can rent the car.
- In order to rent the car, the user should determine pick-up and drop off dates and locations.
- After the selections are done, user will be directed to the payment page.
- User can enter his/her credit card information and click the order button in order to complete the process.
- After the system's payment validation, the order will appear in the "My transactions" section.
- Users can cancel their reservations within some rules to follow.
- Users can change their names, email addresses and passwords.

Software Requirements for Managers










- Managers can login with their company email addresses and passwords.
- Managers can view the stock numbers of cars according to their agencies.
- Managers can add, remove, or change the price of each car.
- Managers can see and administrate the accounts of the customers.
- Managers can see and administrate the employees of each agency.
- Managers can view, edit, or cancel the orders.
- Managers can view, list, delete and response the messages of the contact section.

Database Design











Car

<input type="checkbox"/>	1	ID 	int(11)	No	None	 Change  Drop  More
<input type="checkbox"/>	2	inStock	int(11)	Yes	NULL	 Change  Drop  More
<input type="checkbox"/>	3	brand	varchar(255) utf8mb4_general_ci	Yes	NULL	 Change  Drop  More
<input type="checkbox"/>	4	series	varchar(255) utf8mb4_general_ci	Yes	NULL	 Change  Drop  More
<input type="checkbox"/>	5	specifications	varchar(255) utf8mb4_general_ci	Yes	NULL	 Change  Drop  More
<input type="checkbox"/>	6	price	int(11)	Yes	NULL	 Change  Drop  More

Customer

<input type="checkbox"/>	1	username 	varchar(255) utf8mb4_general_ci	No	None	 Change  Drop  More
<input type="checkbox"/>	2	email	varchar(255) utf8mb4_general_ci	Yes	NULL	 Change  Drop  More
<input type="checkbox"/>	3	password	varchar(255) utf8mb4_general_ci	Yes	NULL	 Change  Drop  More

Manager

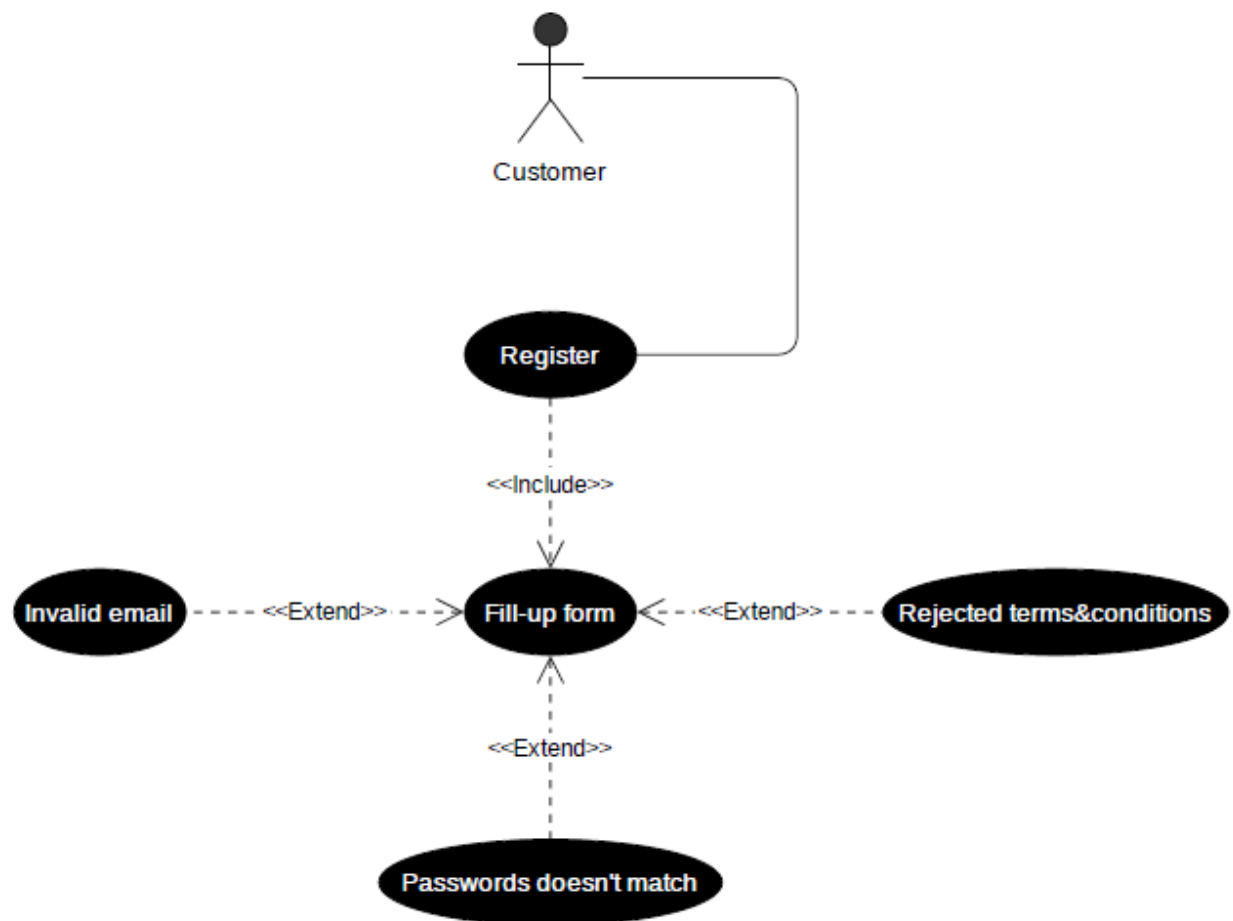
<input type="checkbox"/>	1	ID 	int(11)	No	None	 Change  Drop  More
<input type="checkbox"/>	2	email	varchar(255) utf8mb4_general_ci	Yes	NULL	 Change  Drop  More
<input type="checkbox"/>	3	password	varchar(255) utf8mb4_general_ci	Yes	NULL	 Change  Drop  More

Agency

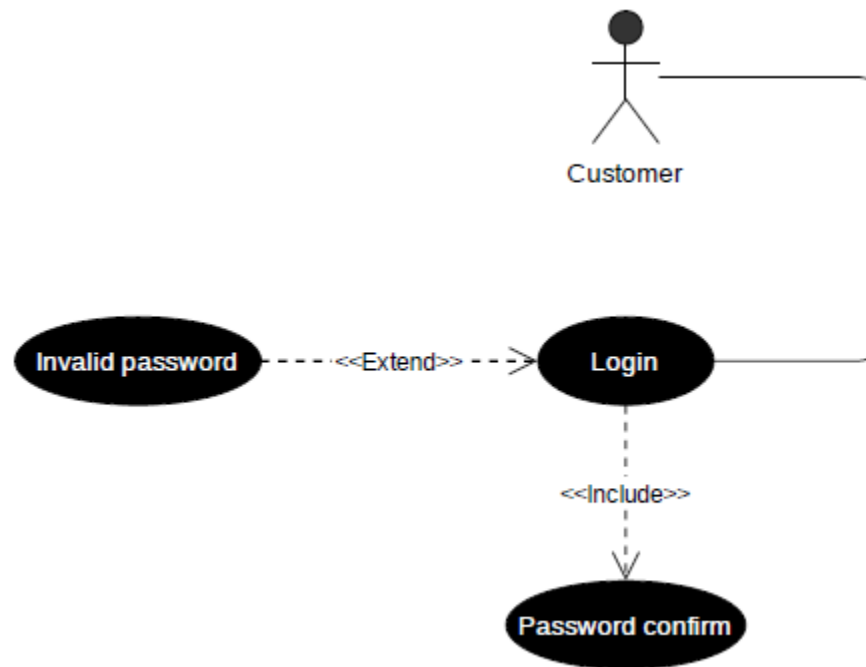
<input type="checkbox"/>	1	ID 	int(11)	No	None	 Change  Drop  More
<input type="checkbox"/>	2	name	varchar(255) utf8mb4_general_ci	Yes	NULL	 Change  Drop  More
<input type="checkbox"/>	3	adress	varchar(255) utf8mb4_general_ci	Yes	NULL	 Change  Drop  More
<input type="checkbox"/>	4	carID_inStock	int(11)	Yes	NULL	 Change  Drop  More

Possible Use Cases for Customers

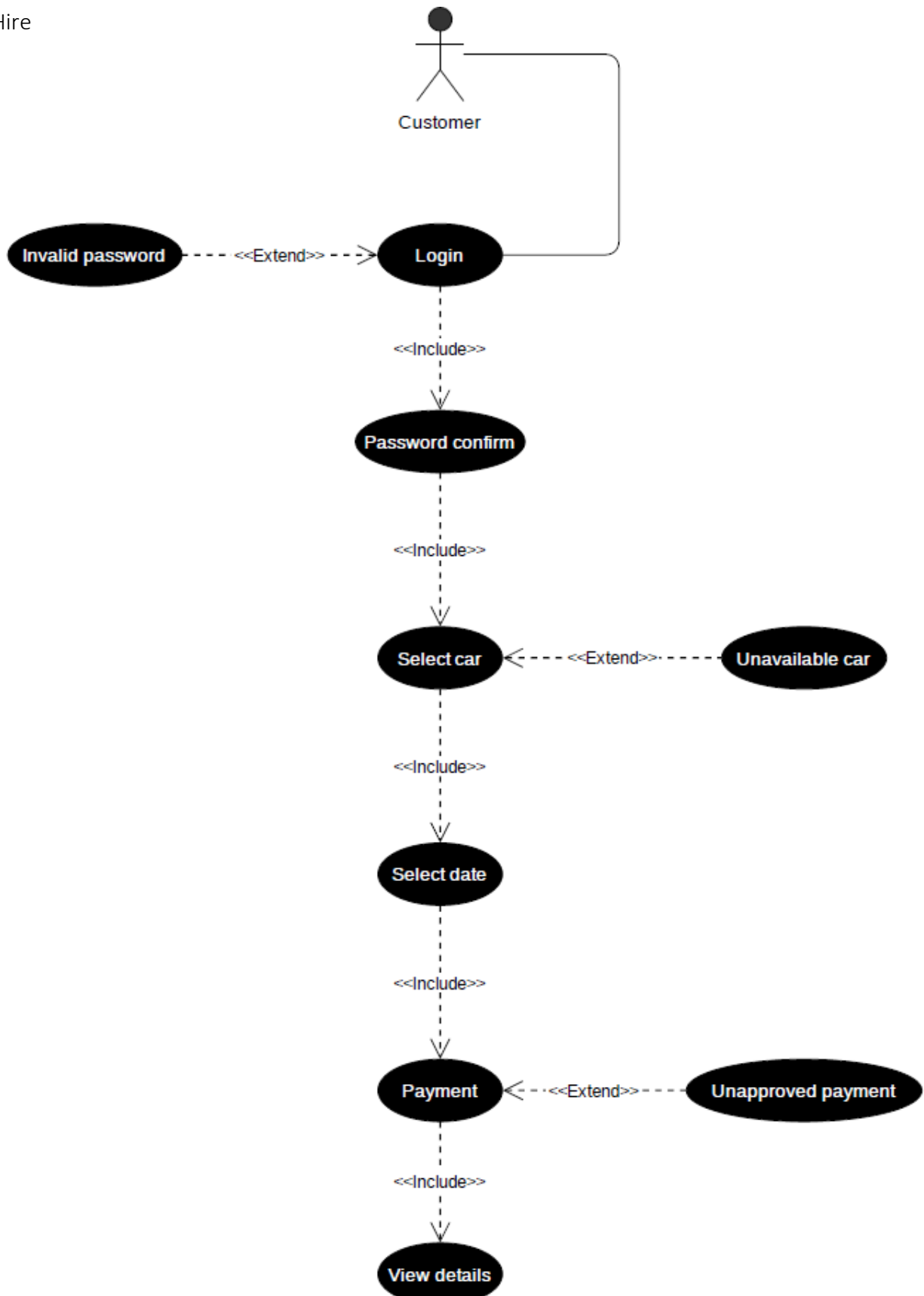
Register



Login

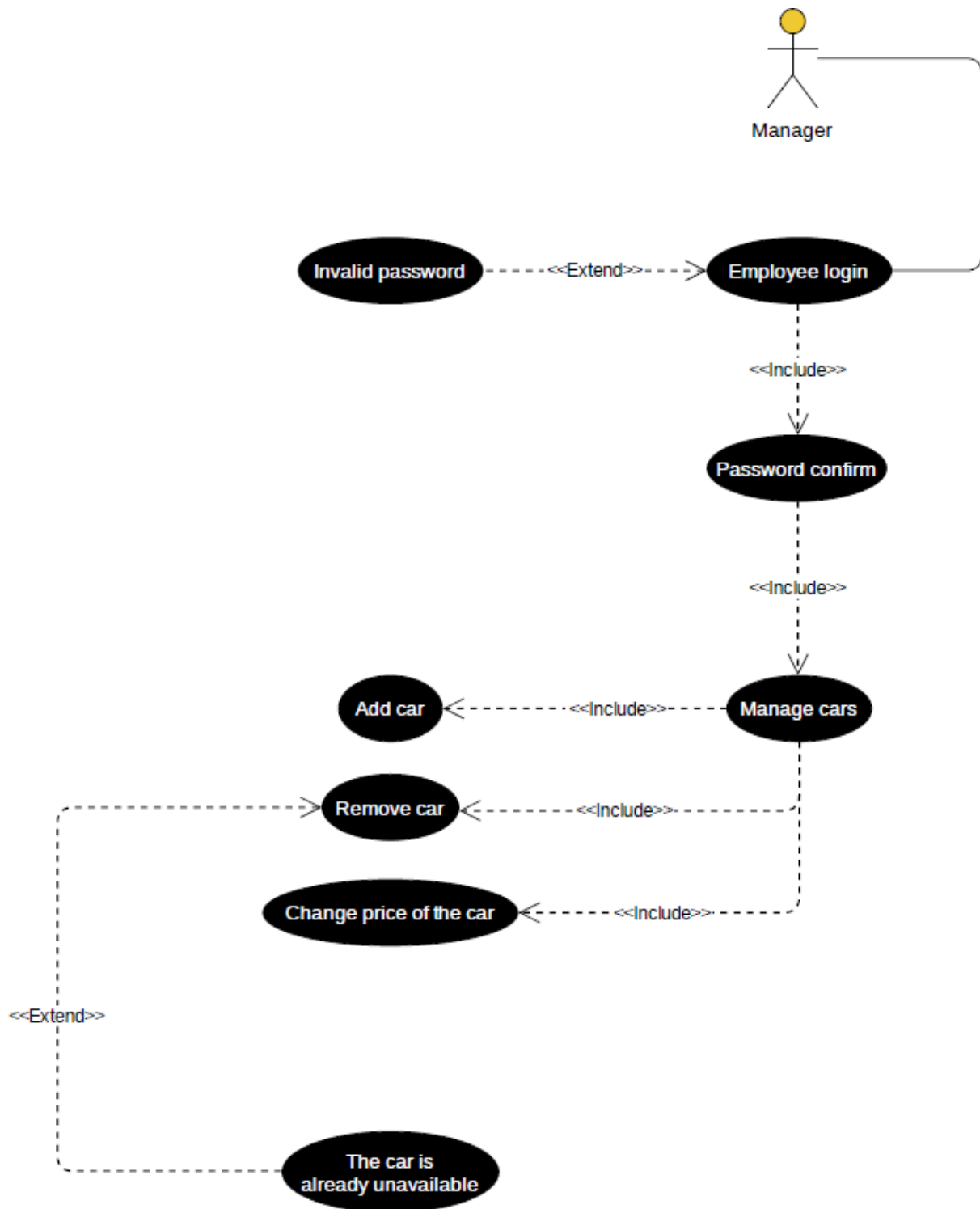


Hire

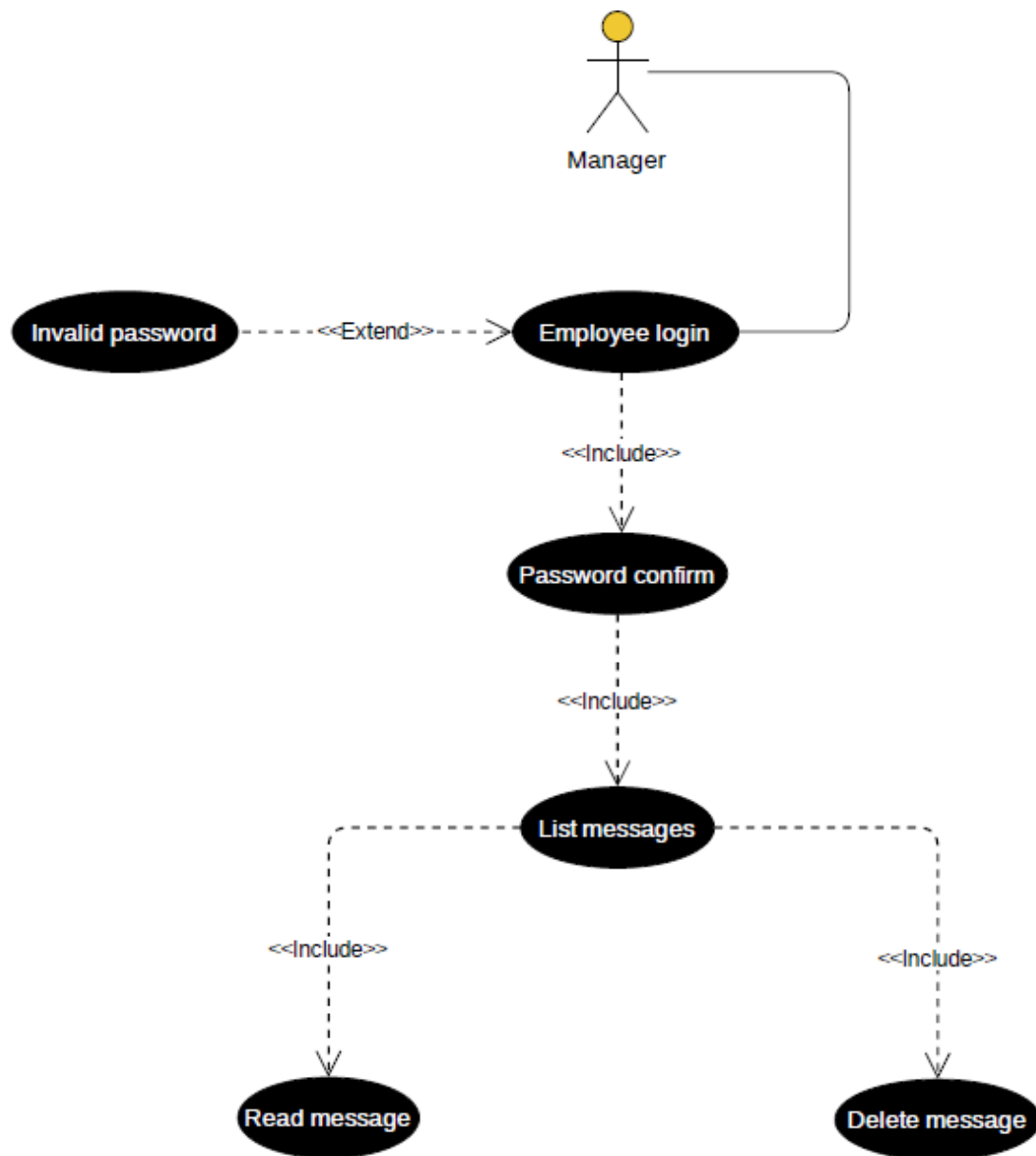


Possible Use Cases for Managers

Manage Cars



Manage Messages



Login

