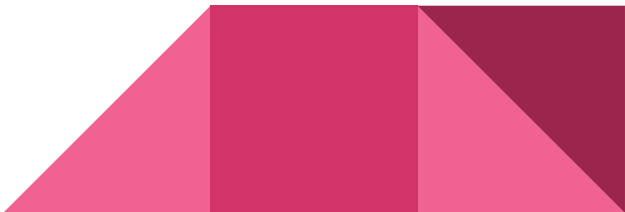



# Car Rental Management System

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# Problem Statement


- Car and bus travel agencies need an effective management platform for handling their respective transportation services. So, the current system needs to be computerized using website.
  - The proposed car booking management system is web application.
  - In case of car rental services, this sort of system stands out as trustworthy and reliable in the travel business.
- 

# OBJECTIVE

- To produce a web-based system that allow customer to register and reserve car online and for the company to effectively manage their car rental business.
- To ease customer's task whenever they need to rent a car.



# SDLC Model Used: **Iterative Enhancement**

- In the Iterative model, the iterative process starts with a simple implementation of a small set of the software requirements and iteratively enhances the evolving versions until the complete system is implemented and ready to be deployed.
  - An iterative life cycle model does not attempt to start with a full specification of requirements. Instead, development begins by specifying and implementing just part of the software, which is then reviewed in order to identify further requirements. This process is then repeated, producing a new version of the software at the end of each iteration of the model.
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# Client Side Requirements

- **Processor:** Intel Dual Core
- **HDD:** Minimum 1GB Disk Space free
- **RAM:** Minimum 1GB
- **OS:** Windows 7, 8, 8.1, 10, Linux.
- **Browser:** Chrome Recommended.



# Front-End Development

1. HTML
2. CSS
3. Bootstrap 5.0



# Back-End Development

1. Node Js with express
2. EJS
3. MySQL





# Functional Requirements

1. Registration
2. Log in
3. Cars
4. Rent

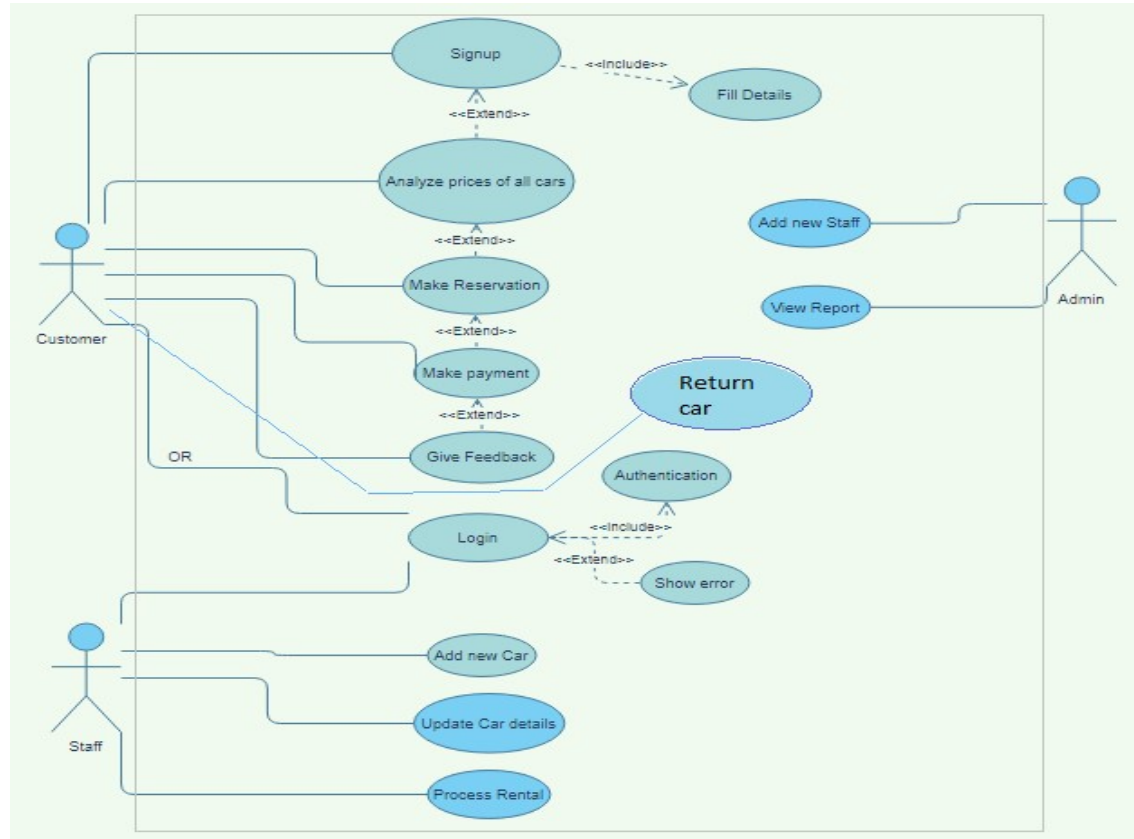


# Non Functional Requirements

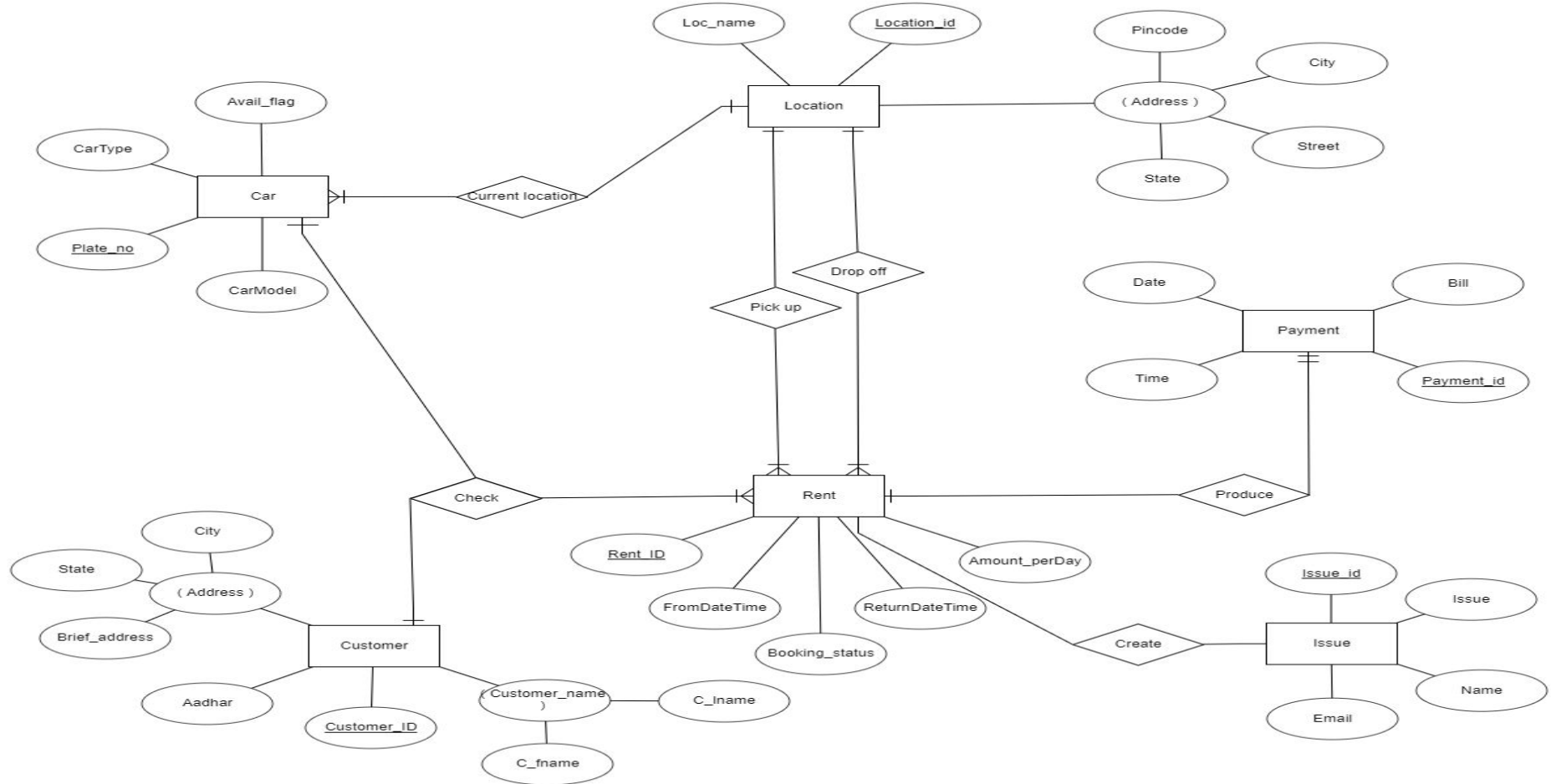
1. Usability
2. Security
3. Performance
4. Availability
5. Error Handling
6. Ease of Use



# Use Case Diagram



# ER Model

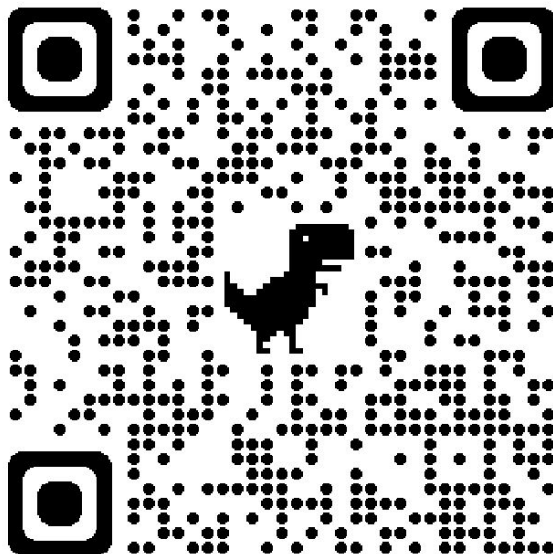


# Conclusion

- ❑ Car rental business has emerged with a new goody compared to the past experience where every activity concerning car rental business is limited to a physical location only.
- ❑ Nowadays, customers can reserve cars online, rent car online, and have the car brought to their doorstep once the customer is a registered member or go to the office to pick the car.
- ❑ The web-based car rental system has offered an advantage to both customers as well as Car Rental Company to efficiently and effectively manage the business and satisfies customers' need at the click of a button.



# QR Code of Website



# Resources Attached

- GitHub Repository: [https://github.com/Gaurav31200/Drift\\_Rental](https://github.com/Gaurav31200/Drift_Rental)
- Website Link: <https://calm-ravine-99748.herokuapp.com/>
- Video Tutorial:  
<https://drive.google.com/file/d/1wEETfQ12E1DwXwgddw7vsMcTmcsVrSRg/view?usp=sharing>



**Thank You!**

