
CSC 4330 - Spring 2021

Team G

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Project Backlog

- ❖ We will need to update the sprint backlog weekly for each scrum meeting
 - ❖ Project backlog will also be subject to change based on what is needed or if requirements change
 - ❖ Design Documents
 - Project Requirements
 - User Stories and Scenarios
 - Use cases
 - UML Diagrams
 - Use Case Diagram
 - Class Diagrams and Sequence Diagrams
 - System Architecture
 - ❖ Create web-based application to be used by Mr. Dowling and by customers
 - Application needs to be able to
 - Make accounts
 - Account needs name, address, birthdate, phone number, valid credit card info, and email address
 - Add/edit payment information
 - Rent bikes
 - Return and pay for the bikes
 - Give users the ability to read and acknowledge the requirements to rent a bike
 - Users rental rates are \$5 per half hour, \$9 per full hour as long as the bike is rented
 - Customer is charged for full hour even if partial hour is used
 - User will pay \$25 if bike is returned to a different dock
 - User will pay \$500 if the bike is not returned
 - User will pay \$200 for damage, depending on what the damage is
 - Manager must check for valid credit card details before customer can receive bike and create a weekly report for Mr. Dowling
 - Mr. Dowling will also get a weekly earnings report and usage for each dock
 - ❖ Test plans and results(as appropriate)
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Sprint Backlog (Sprint #2 or Milestone #2)

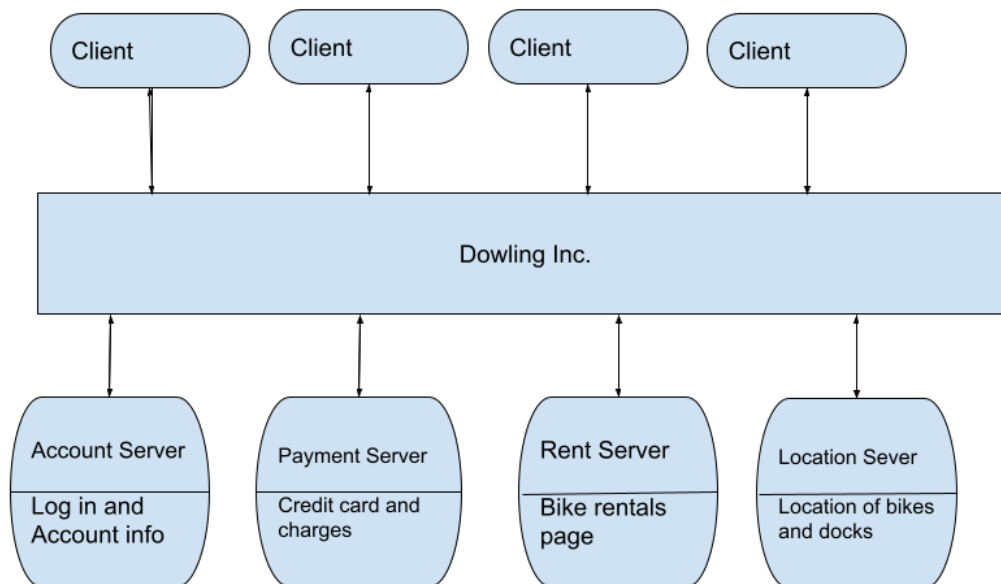
- ❖ Title page on milestone documents
- ❖ Edit project backlog and sprint backlogs
- ❖ Project design documents
 - System architecture
 - Class diagrams and sequence diagrams
- ❖ Test plans and results (as applicable)

Sprint Backlog (Sprint #3 or Milestone #3)

- ❖ Revised deliverable from previous sprint
 - ❖ Edit project backlog and sprint backlogs
 - ❖ Project design documents
 - ❖ Begin building
 - ❖ Test plans and results (as applicable)
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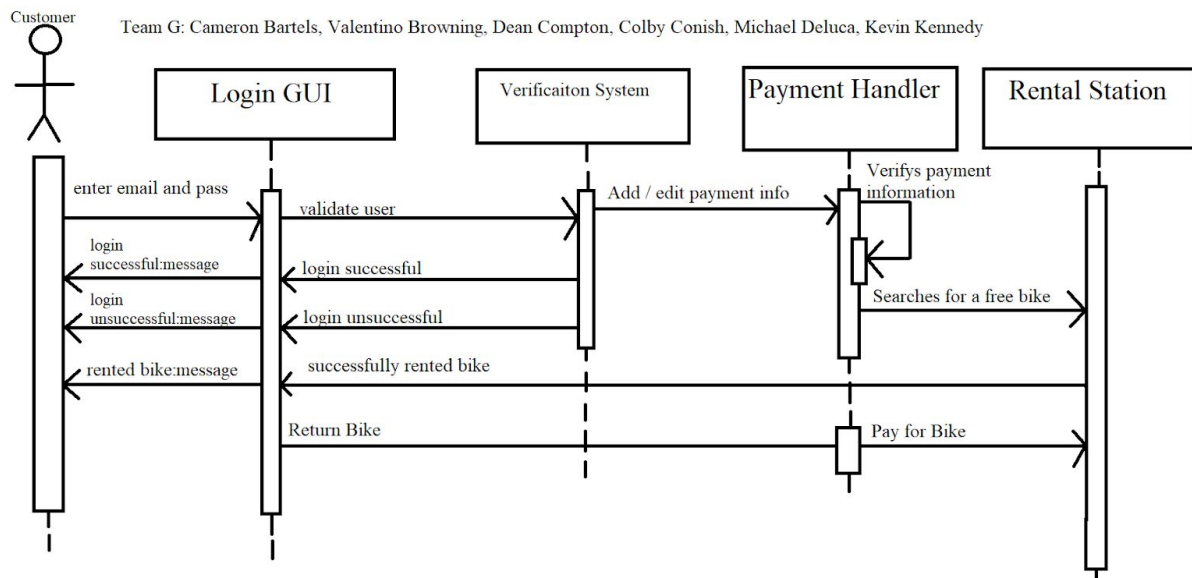
System Architecture

(Client-server)

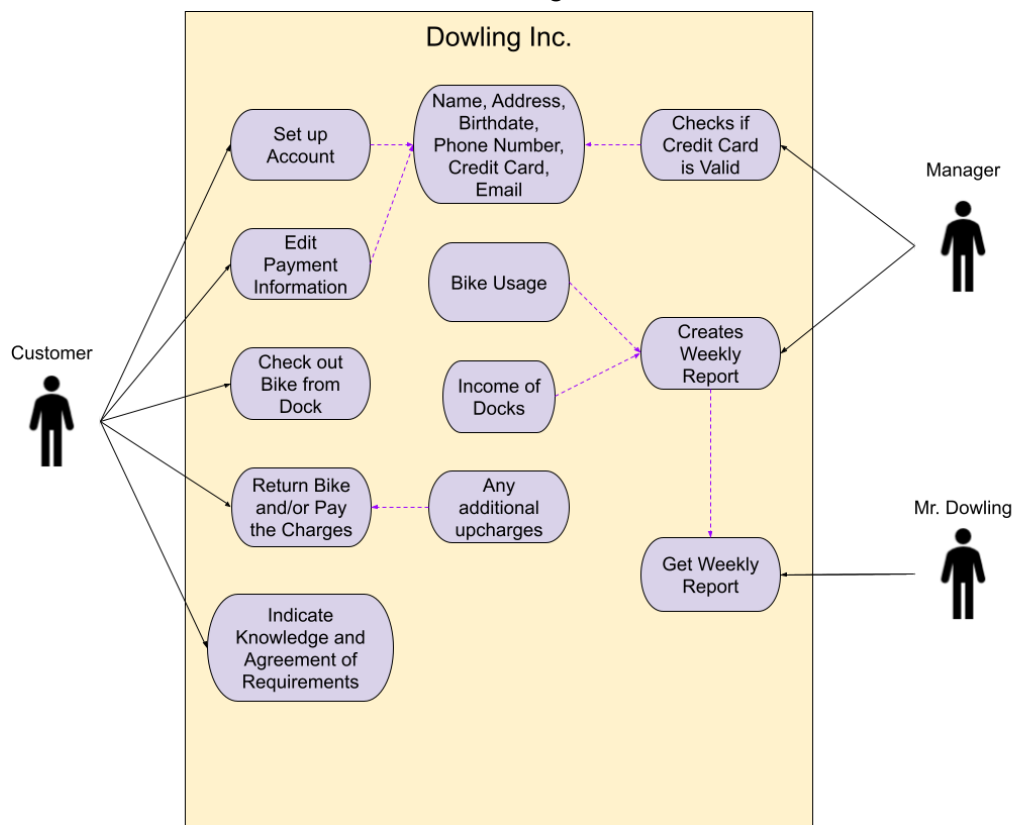


UML Diagrams

Sequence Diagram



Use Case Diagram



Project Contributions

Project Backlog - Original by Cameron Bartels edited by Dean Compton for Milestone #2

Sprint Backlog(Sprint #2) - Original by Michael Deluca edited by Dean Compton for Milestone #2

Sprint Backlog(Sprint #3) - Dean Compton

System Architecture - Kevin Kennedy made the Client Server diagram

UML Diagrams - Cameron Bartels made the sequence diagram, Dean Compton and Kevin Kennedy made the use case diagram