**SPS**

Parking Garage Project

Software Project Schedule Document

# Revision History

| Date | Revision | Description | Author |
| --- | --- | --- | --- |
| 4/29/2025 | 1.0 | Created and Finished the Software Project Schedule Doc. | Kurt, Vishal, Raymond |
| 5/6/2025 | 2.0 | Added testing phase. | Kurt, Vishal, Raymond |

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# Phase 1

1.1. Requirements

* Create 10 Requirements - Feb 5

1.2. Class Candidates

* Class Candidates - Feb 5

1.3 UML - Use Case Diagrams/Class Diagrams

* UML - Mar 5
  + Use Case Diagrams
  + Sequence Diagrams
  + Class Diagrams

1.4 Software Requirements Specification

* Create SRS documentation - Mar 5
  + Requirements
  + Overview of Software
  + UML
    - Use Cases
    - Sequence Diagrams
    - Class Diagram

# Phase 2

2.1. Software Design Document

* Software Design Document - Apr 9
  + System Overview
  + Use Cases
  + Class Diagram
  + Sequence Diagram
  + Classes and Objects

2[.1.1.](#) System Overview

* Functionality
* Vehicle Entry / Exit
  + Module
  + Management
* Parking Space Management
* Payment Processing
* Logging and Garage Reports
* Administration and Maintenance

2[.1.2.](#) Use Cases

* Use Case 1 : Login and Logout
* Use Case 2 : Ticket Handling
* Use Case 3: Handling Parking Data
* Use Case 4: Payment Processing
* Use Case 5: Automatic vs Manual Payment Handling
* Use Case 6: Add Parking Levels

2[.1.3.](#) Class Diagram

* Create completed Class Diagram

2[.1.4.](#) Sequence Diagrams

* Create Sequence Diagrams for each Use Case

2[.1.5.](#) Classes and Objects

1. BuildParkingGarage
2. CreateGarage
3. GarageEmployee
4. ParkingGarageSystem
5. Ticketing
6. UpdateGarage
7. Driver
8. FixModel
9. FixScale
10. ParkingExceptions
11. Address
12. Customer
13. EntranceDisplayBoard
14. EntryKiosk
15. ExitKiosk
16. Gate
17. Hardware
18. LevelDisplayBoard
19. ParkingGarage
20. ParkingLevel
21. ParkingSpace
22. Payment
23. SystemLog
24. Ticket
25. AccessEmployeeControl
26. Admin
27. AuthenticationManager
28. Employee
29. ParkingAttendant
30. User
31. EntryKioskClientGUI
32. ExitKioskClientGUI
33. ParkingGarageServer
34. PaymentFrame
35. FileIO

# Phase 3

3.1. Implementation

* Delegation of Classes - Apr 12
  + Raymond:
    - BuildParkingGarage
    - CreateGarage
    - GarageEmployee
    - ParkingGarageSystem
    - Ticketing
    - UpdateGarage
    - Driver
    - FixModel
    - FixScale
    - ParkingExceptions
    - Address
    - EntranceDisplayBoard
    - EntryKiosk
    - LevelDisplayBoard
    - ParkingGarage
    - ParkingLevel
    - ParkingSpace
    - AccessEmployeeControl
    - AuthenticationManager
    - User
    - EntryKioskClientGUI
    - ExitKioskClientGUI
    - ParkingGarageServer
    - PaymentFrame
    - FileIO
  + Vishal:
    - ExitKiosk
    - Ticket
    - Payment
    - Employee
    - ParkingAttendant
  + Kurt:
    - Admin
    - Customer
    - SystemLog
    - Hardware
    - Gate
* Finish up at least 2 classes - Apr 19
* Finish all assigned classes - Apr 23
* Review and revise code - Apr 28
* Create Testing Doc & Project Schedule Doc - Apr 30
* Review SRS if it reflects the requirements - Apr 30

3.2. Testing

* Create JUNIT testing for each class - May 3
  + Black Box Testing
  + White Box Testing

3.3. Maintenance

* Identify and fix any bugs/update to increase performance -May 3

3.4. Final Project Submission

* Final Project - May 7
* Presentation
  + Overviewing SRS
* Demo
  + Use Cases
  + Completion of Requirements