**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

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

# Phase 3

3.1. Implementation

* Delegation of Classes - Apr 12
  + Raymond:
    - BuildParkingGarage
    - CreateGarage
    - GarageEmployee
    - ParkingGarageSystem
    - Ticketing
    - UpdateGarage
    - Driver
    - FixAdapter
    - FixModel
    - FixScale
    - ParkingExceptions
    - PaymentFrame
  + Vishal
    - Address
    - Customer
    - EntranceDisplayBoard
    - EntryKiosk
    - ExitKiosk
    - Gate
    - Hardware
    - LevelDisplayBoard
    - ParkingGarage
    - ParkingLevel
    - ParkingSpace
    - Payment
  + Kurt
    - SystemLog
    - Ticket
    - TicketStatus
    - AccessEmployeeControl
    - Admin
    - AuthenticationManager
    - Employee
    - ParkingAttendant
    - User
    - EntryKioskClientGUI
    - ExitKioskClientGUI
    - ParkingGarageServer
* 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