**Work Breakdown Structure (WBS)**

**D7 Auto Service Center web-app**

**D7 auto service center**

**Street Address**

**City, State Zip Code**

**Date**

# Introduction

The Work Breakdown Structure presented here represents all the work required to complete this project. It will be the initial version of the web-app and it shall go under version 1. This version will undergo the PBL (Project Based Learning) phases from planning to deployment. It is hereby outlined with the help of this project management tool that will aim to provide better division of work during each respective phase. The project has divided the work accordingly per sprint to have them assigned and accomplished by the Elite Four team.

# Outline View

1. **D7 Auto Service Center Web-app**
   1. **Planning**
      1. Planning Phase Preparation
      2. Problem Identification
      3. Solution Deliberation
      4. Solution Refinement
      5. Solution Prototype & Documentation
   2. **System Analysis & Design**
      1. System Analysis & Design Phase Preparation
      2. System Analysis UML Documentation
      3. System Design UML Documentation
      4. System Analysis & Design Refinement
      5. System Analysis & Design Documentation
   3. **Development** 
      1. Development Phase Preparation
      2. Initial Web-App Development
      3. Documentation and Planning Refinement
      4. Reservation and Review System Implementation
      5. Web-App Functionality and Features Completion (Release Plan 1 & 2)
      6. Support Tab and Statistics Integration
      7. Documentation Review and Enhancement
      8. System Demonstration and Improvement Implementation
   4. **Deployment** 
      1. Deployment Phase Preparation
      2. Business Case and Stakeholder Management Planning
      3. Project Management Planning and Documentation
      4. Project Management Planning and Documentation Continued
      5. Integrated Project Governance and Planning
      6. Deployment Demonstration and Feedback Collection
   5. **Closeout** 
      1. Project Turn Over
      2. Documentations
      3. System Demonstration

# Hierarchical Structure

|  |  |  |
| --- | --- | --- |
| Level | WBS Code | Element Name |
| 1 | 1 | D7 Auto Service Center Web-App |
| **2** | **1.1** | **Planning** |
| 3 | 1.1.1 | Planning Phase Preparation |
| 3 | 1.1.2 | Problem Identification |
| 3 | 1.1.3 | Solution Deliberation |
| 3 | 1.1.4 | Solution Refinement |
| 3 | 1.1.5 | Solution Prototype & Documentation |
| **2** | **1.2** | **System Analysis & Design** |
| 3 | 1.2.1 | System Analysis & Design Phase Preparation |
| 3 | 1.2.2 | System Analysis UML Documentation |
| 3 | 1.2.3 | System Design UML Documentation |
| 3 | 1.2.4 | System Analysis & Design Refinement |
| 3 | 1.2.5 | System Analysis & Design Documentation |
| **2** | **1.3** | **Development** |
| 3 | 1.3.1 | Development Phase Preparation |
| 3 | 1.3.2 | Initial Web-App Development |
| 3 | 1.3.3 | Documentation and Planning Refinement |
| 3 | 1.3.4 | Reservation and Review System Implementation |
| 3 | 1.3.5 | Web-App Functionality and Features Completion (Release Plan 1 & 2) |
| 3 | 1.3.6 | Support Tab and Statistics Integration |
| 3 | 1.3.7 | Documentation Review and Enhancement |
| 3 | 1.3.8 | System Demonstration and Improvement Implementation |
| **2** | **1.4** | **Deployment** |
| 3 | 1.4.1 | Deployment Phase Preparation |
| 3 | 1.4.2 | Business Case and Stakeholder Management Planning |
| 3 | 1.4.3 | Project Management Planning and Documentation |
| 3 | 1.4.4 | Project Management Planning and Documentation Continued |
| 3 | 1.4.5 | Integrated Project Governance and Planning |
| 3 | 1.4.6 | Deployment Demonstration and Feedback Collection |
| **2** | **1.5** | **Close Out** |
| 3 | 1.5.1 | Project Turn Over |
| 3 | 1.5.2 | Documentations |
| 3 | 1.5.3 | System Demonstration |

# Tabular View

|  |  |  |
| --- | --- | --- |
| Level 1 | Level 2 | Level 3 |
| 1 D7 Auto Service Center Web-App | * 1. Planning | * + 1. Planning Phase Preparation     2. Problem Identification     3. Solution Deliberation     4. Solution Refinement     5. Solution Prototype & Documentation |
| 1.2 System Analysis & Design | * + 1. System Analysis & Design Phase Preparation     2. System Analysis UML Documentation     3. System Design UML Documentation     4. System Analysis & Design Refinement     5. System Analysis & Design Documentation |
| * 1. Development | * + 1. Development Phase Preparation     2. Initial Web-App Development     3. Documentation and Planning Refinement     4. Reservation and Review System Implementation     5. Web-App Functionality and Features Completion (Release Plan 1 & 2)     6. Support Tab and Statistics Integration     7. Documentation Review and Enhancement     8. System Demonstration and Improvement Implementation |
| 1.4 Deployment | 1. Deployment Phase Preparation 2. Business Case and Stakeholder Management Planning 3. Project Management Planning and Documentation 4. Project Management Planning and Documentation Continued 5. Integrated Project Governance and Planning 6. Deployment Demonstration and Feedback Collection |
|  | 1.5 Close Out | 1.5.1 Project Turn Over  1.5.2 Documentations  1.5.3 System Demonstration |

# Tree Structure View

A diagram of a work breakdown structure

Description automatically generated with low confidence

# WBS Dictionary

| Level | WBS Code | Element Name | Definition | Estimated Duration |
| --- | --- | --- | --- | --- |
| 1 | 1 | D7 Auto Service Center Web-App | A web-application as an additional platform for D7 | **331 Days** |
| **2** | **1.1** | **Planning** | **Comprised of planning essentials for the project** | **83 Days** |
| 3 | 1.1.1 | Planning Phase Preparation | Project Adviser and Client search | 20 Days |
| 3 | 1.1.2 | Problem Identification | Brainstorming and signing | 12 Days |
| 3 | 1.1.3 | Solution Deliberation | Presentation of possible ideas | 9 Days |
| 3 | 1.1.4 | Solution Refinement | Continuation of planning for chosen project | 23 Days |
| 3 | 1.1.5 | Solution Prototype & Documentation | Finalization of plans and heads up for system analysis and design | 19 Days |
| **2** | **1.2** | **System Analysis & Design** | **Comprised of System Analysis and Designing of chosen project** | **89 Days** |
| 3 | 1.2.1 | System Analysis & Design Phase Preparation | Project Adviser and Consultant search | 10 Days |
| 3 | 1.2.2 | System Analysis UML Documentation | Analysis of context and data flow of system | 29 Days |
| 3 | 1.2.3 | System Design UML Documentation | Presentation of Works from Sprints | 10 Days |
| 3 | 1.2.4 | System Analysis & Design Refinement | Documentation proper of project and more analysis of system | 30 Days |
| 3 | 1.2.5 | System Analysis & Design Documentation | System structure, deployment, activities and deployment diagrams & Finalization of System Analysis and Design | 10 Days |
| **2** | **1.3** | **Development** | **Comprised of Development of system features and web-app** | **86 Days** |
| 3 | 1.3.1 | Development Phase Preparation | Project Adviser and Consultant search | 5 Days |
| 3 | 1.3.2 | Initial Web-App Development | Initial creation of features for the web-app | 38 Days |
| 3 | 1.3.3 | Documentation and Planning Refinement | Documentation and finalization of release plan 1 | 30 Days |
| 3 | 1.3.4 | Reservation and Review System Implementation | Continuation of creation of project features | 33 Days |
| 3 | 1.3.5 | Web-App Functionality and Features Completion (Release Plan 1 & 2) | Presentation of development progress | 5 Days |
|  | 1.3.6 | Support Tab and Statistics Integration | Continuation of final features creation | 13 Days |
| 3 | 1.3.7 | Documentation Review and Enhancement | Finalization of documentation for development and features of web-app | 30 Days |
| 3 | 1.3.8 | System Demonstration and Improvement Implementation | Completion and presentation of development phase of web-app | 16 Days |
| **2** | **1.4** | **Deployment** | **Comprised of proper documentation, and project managing of web-app** | **70 Days** |
| 3 | 1.4.1 | Deployment Phase Preparation | Project Adviser and Consultant search | 5 Days |
| 3 | 1.4.2 | Business Case and Stakeholder Management Planning | Documentation of work division and work management | 20 Days |
| 3 | 1.4.3 | Project Management Planning and Documentation | Continuation of documentation for web-app management and budgeting | 15 Days |
| 3 | 1.4.4 | Project Management Planning and Documentation Continued | Continuation of documentation and deployment preparation | 5 Days |
| 3 | 1.4.5 | Integrated Project Governance and Planning | Finalization of Documentations for PROJMAN and Client Meetings | 20 Days |
| 3 | 1.4.6 | Deployment Demonstration and Feedback Collection | Presentation for PROJMAN and Deployment of Web-App | 5 Days |
| **2** | **1.5** | **Close Out** | **Comprised of project turnover and closeout to client** | 3 Days |
| 3 | 1.5.1 | Project Turn Over | Formal event of turnover of project to D7 Auto Service Center | 1 Day |
| 3 | 1.5.2 | Documentations | Release of copies of technical documentation to D7 Auto Service Center | 1 Day |
| 3 | 1.5.3 | System Demonstration | Demonstration of project tutorial to project sponsor and D7 Auto Service Center Management | 1 Day |

# Glossary of Terms

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| --- | --- |
| Terms | Definition |
| Level of Effort: | Level of Effort (LOE) refers to the amount of work needed to accomplish a task. |
| WBS Code: | A unique identifier assigned to each element in a Work Breakdown Structure to indicate its position within the hierarchical structure of the WBS. |
| Work Package: | A Work Package is a unit of work or a deliverable that belongs to the lowest level of a specific branch in the Work Breakdown Structure (WBS). |
| WBS Component: | A WBS component is a part of the Work Breakdown Structure that can be located at any level, and it can either be a Work Package or a WBS Element since there are no limitations on what a WBS Component can be. |
| WBS Element: | A WBS Element is a fundamental unit of the Work Breakdown Structure that has distinct qualities and can be situated at any tier of the structure. It may consist of tasks that require completion, in addition to other WBS Elements or Work Packages that are nested within it. |
| WBS Estimated Duration: | The Estimated Duration in WBS refers to the amount of time that is expected to be required for completing a particular task or activity. |

This free WBS Template is brought to you by [www.ProjectManagementDocs.com](http://www.ProjectManagementDocs.com)

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