

Software Engineering – CSE-3036

Project – ICC Cricket Management System

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Work Breakdown Structure:

- Theoretical Representation:

1. Project Initiation

- 1.1 Define Project Scope and Objectives

- 1.2 Identify Stakeholders

- 1.3 Set Project Constraints and Assumptions

2. Requirements Gathering and Analysis

- 2.1 Gather User Requirements for Viewer's Login

- 2.2 Gather User Requirements for ICC Staff's Login

- 2.3 Document Functional and Non-Functional Requirements

3. Design and Architecture

- 3.1 Design Database Schema for MySQL Integration

- 3.2 Design Viewer's Login Interface

- 3.3 Design ICC Staff's Login Interface

- 3.4 Design Front-end Interfaces for Score Display, Stats, Match Results, Bowling, Batting Figures, World Cup Details, etc.

- 3.5 Define API Endpoints for Data Retrieval and Modification

4. Database Integration

- 4.1 Set Up MySQL Database

- 4.2 Create Tables and Relationships as per the Database Schema

- 4.3 Implement Data Population Scripts from External Sources (e.g., historical match data)

5. Viewer's Login Functionality

- 5.1 Implement User Registration and Authentication
- 5.2 Create View for Score Display
- 5.3 Create View for Stats Display
- 5.4 Create View for Match Results
- 5.5 Create View for Bowling Figures
- 5.6 Create View for Batting Figures
- 5.7 Create View for World Cup Details

- 6. ICC Staff's Login Functionality
 - 6.1 Implement ICC Staff Authentication and Authorization
 - 6.2 Create Interface for Data Upload (e.g., match results, player stats, etc.)
 - 6.3 Implement Data Modification Functionality (e.g., editing match results, player records)

- 7. Integration and Testing
 - 7.1 Integrate Front-end with Back-end (Python and MySQL)
 - 7.2 Perform Unit Testing for Each Functionality
 - 7.3 Perform Integration Testing for the Entire System
 - 7.4 Fix Bugs and Issues Identified During Testing

- 8. User Acceptance Testing (UAT)
 - 8.1 Engage Users (Viewers and ICC Staff) for UAT
 - 8.2 Collect Feedback and Make Necessary Improvements

- 9. Deployment
 - 9.1 Set Up Production Environment
 - 9.2 Deploy the Application to a Web Server
 - 9.3 Ensure Security Measures are in Place (e.g., SSL, secure authentication)

- 10. Documentation and Training
 - 10.1 Prepare User Manual for Viewers
 - 10.2 Prepare User Manual for ICC Staff
 - 10.3 Document Codebase and System Architecture
 - 10.4 Conduct Training Sessions for ICC Staff on Data Upload and Modification

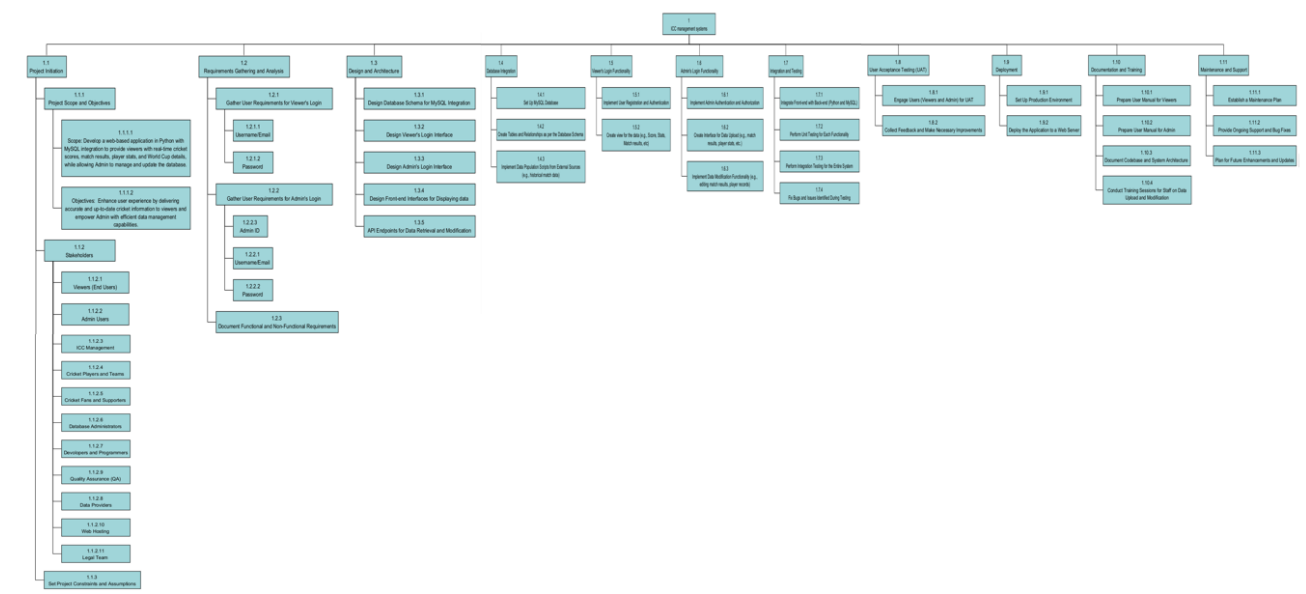
11. Maintenance and Support

11.1 Establish a Maintenance Plan

11.2 Provide Ongoing Support and Bug Fixes

11.3 Plan for Future Enhancements and Updates

- Diagrammatic Representation:



Use Case Model:

