**Game Application**

Scope Statement

MVP Release 0.1

*The purpose of the Project Scope Statement is to provide a baseline understanding of the scope of a project to include the project’s scope and deliverables, the work required to complete the deliverables, and ensure a common understanding of the project’s scope among all stakeholders*

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### A. Executive Summary

*The Game Application project to implement the game application where user can register and play games of his choice.*

### B. Business Objectives

**1.** **Business Need/Opportunity/Objectives**

*The Game Application has been approved to meet the online game player where player can choose his game and play. Player can create his own choice of Avatars(characters) and play in list of available games. Game are categorized in its different forms like Role Playing, Racing etc.*

*In Game player can choose any Map to explore available in the list of map of the given game.*

**2.** **Product Description (Solution)**

*Game Application will allows game player to register with the system and create different avatar (characters) and choose the game he want to play. Multiple players can also play the game.*

**3.** **Deliverables**

*There are several deliverables which will be produced as a result of the successful completion of the Game Application Project. If all of the following deliverables are not met, then the project will not be considered successful.*

*Deliverables included:*

* *Game Application should be able to let create players and avatars (characters).*
* *To be able to create Game and its Play Area (Maps)*
* *To be able to play a game and explore play area using Game Thread simulator and feature to pause and resume the game.*
* *To be able to control the game actions.*
* *For each game complete avatar gets experience and it will finish next fame quickly.*
* *Should get the score on successful completion of the game.*
* *At least one game simulator needed to implement.*
* *CLI to create default set of data.*
* *Postman collection with the list of REST API calls*

*Deliverables excluded:*

* *Validation of records in database, example : game name should be unique in system*
* *Exception not handled with standard way.*
* *Experience gaining is with overall games, it should be game specific, that is not implemented.*
* *No UI has been included, instead given postman collection to call REST Api*

### C. Project Description

**1.** **Scope**

Project to create and play games with able to create player and their avatars(Characters). Player can play same game again and again, as he plays his score should increase and experience too. Game can be configured with different type of game like Role Playing or Racing game etc.

**Includes:**

* *Player can register himself and create any number of avatars (Characters)*
* *Player can create game and its play area.*
* *Player can play a game and pause the game and resume the same.*
* *Score needed to updated on completion of the game.*
* *Multiple players can play a game.*
* *Game simulator for at least one game.*
* *Unit testing with test coverage of above 70%.*

**Does Not Include:**

* *Validation of input not done in all the API calls.*
* *Exception handling not covered as part of this release.*
* *Regression testing not covered*
* *Game thread loop is hardcoded and not taken from corresponding table.*
* *QA Automation*
* *Multiple configurable rules for each violation.*

**2.** **Completion Criteria**

*Player should be able to play a Role Playing game.*

**3.** **Risk Assessment**

NA

**4.** **Constraints**

NA

**5.** **Dependency Linkages**

*TBD*

**6.** **Impacts**

*TBD*

**7.** **Measures of Project Success**

*TBD*

**8.** **Assumptions**

### D. Project Approach

#### Planned Approach

*NA*

### E. Project Estimates

**1. Estimated Schedule**

TBD

**2. Resource Requirements – Team and Support Resources**

*TBD.*

**3. Estimated Cost**

*TBD*

**4. Checkpoint/ Funding Schedule**

*TBD*