**Car Parking Multi stunt Android Game**

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### **UOS_logo.png**

**(Project Proposal)**

**Project Code**

......................................Office use only.............................

**Project Advisor**

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<Name of the project external advisor (if any)> (external)

**Project Manager**

**Project Team**

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**Submission Date**

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# 1.**Abstract**

Due to the easy and cheap access of 3G and 4G connectivity, the trend of online games has increased. Covid pandemic also increased in download of games on both pc and mobiles. We have found multiple single user games but we have limited access to multiple player games. Most of the games are paid and require subscription charges.

This multiplayer base game is not just for the people of Pakistan but as well as for all over the world this game will perform a simulator of the vehicle. The game will give you practice in physically driving the vehicle Player will load the game and enter in the main menu scene, where he/she can play and quit the game. When he clicks on play the profile creation starts and gives the other information and joins the room for online racing and clicks on parking to play the game. Player chooses his/her character name according to his/her wish. Players compete with each other. Losers will be punished like their level r coins consumed and the winner will be rewarded with coins.

# 2.**Background and Justification**

There is a short amount of multiplayer strategy games available in App play-store because the working in multiplayer games is very limited. All of these provide the best feature game for the user's entertainment. This game will be provided in the app store as a freeware game. Multiplayer video games are video games in which more than one person can play the same game. During its early history, video games were often single-player-only activities, Multiplayer games allowed players interaction with other individuals in partnership, competition. Multiplayer games typically require players to share the resources of a single game system or use networking technology to play together over a greater distance.

This game will offer a simulator of the vehicle in past their will be only single player games only single player can play the game at a time nowadays the new technology of the internet all the people can play the game at a same time over internet with other peoples. This will be different from the other games because it will include both features offline and online. All the other games will be Offline R online this multiplayer game will have both features. People can play this game very smoothly.

In the past there were two different types of games available in the play store one is car parking and other is car stunt game. But we merge these two features in a single game.

The Names of these two different types of games are as follows that are available in play store.

Car parking 3D : car driving simulator1

Ramp car stunt : crazy car racing games2

# 3.**Project Methodology**

The main Unity 3D platform will be used for development.

Target platform will also be android users or Android OS.

The programming language will be C#.

Best existing tool is unity 5.6.6.f.2

Visual Studio/Mono-Behavior tool is used for editing the code of C#.

The Diagram Maker tool is used for making the UML Diagrams.

The size of the development effort will be great because high skills are required for this project

These are the Features are performed in this game:

User/Player profile

Joining room with another player

Select character (Like Women, Men)

Select different vehicle (Cars, Trucks)

Defeat others with strategy

Win/Lose

Rewards

# 4.**Project Scope**

This android game is for all kinds of people. The people who are interested in playing multiplayer games. Android users and attracting them on a single platform which provides opportunity for multiplayer base games. The main features of this game will also provide a training for the people to learn a car driving and parking system. This game is for all people. This game will also help in physically driving the car with parking at a different place. This game has different levels. Every level has different stages. The person to achieve all the levels to complete their rewards.

# 5.**High level Project Plan**

| 1. **Key Milestones and Deliverables:**   **(Please list and describe the principal milestones and associated deliverables of the project. A key milestone is reached when a significant phase in the project is concluded, e.g. selection and simulation of algorithms, completion of architectural design and design documents, commissioning of equipment, completion of test, etc.)** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| The information given in this table will be the basis of monitoring by the Project Coordination Office. | | | | | | | |
| No. | Elapsed time from start (in months) of the project | | Milestone | | Deliverables | | |
|  | | 3 weeks | | User Profile | | Apk | |
|  | | 5 weeks | | Multiplayer Scenario | | Apk | |
|  | | 6 weeks | | Add Functionality & polish | | Apk | |
|  | | 6 weeks | | Final product | | Apk | |
|  | | 5 Month | | Overall work | | Apk | |

# 6.**References**

| **Ref. No.** | **Document Title** | **Date of Release/ Publication** | **Document Source** |
| --- | --- | --- | --- |
|  | Unity software |  | Unity Game Development Scripting by **Kyle** |
|  | unity book |  | Unity 5.x Cookbook by **Mitt Smith**. |
| 1 | Car Parking 3D:  car driving simulator |  | <https://play.google.com/store/apps/details?id=com.k4games.free.car.parking.games.driving.school> |
| 2 | Ramp car stunt :  crazy car racing games |  | <https://play.google.com/store/apps/details?id=com.arillabs.hot.car> |