

PLAGIARISM SCAN REPORT

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Chapter 3 Requirement and Analysis 3.1 Problem definition: 3.1.1 Lack of references: There is no such a project existing according to our research. So it is difficult to build project by own. 3.1.2 New language usage: We are using python language for coddng this very new language which in not much popular. And less known language. The building a game can take a time and efforts which can be a complex work to do. 3.1.3 Processing time: After every new updating the code we have to save all date and then have to run which will take lots of time (Iteration) 3.1.4 Voice command: We have to give command to player so we have to generate hole game instruction in voice command file which will take a lot of time and efforts. 3.1.5 Error management: We have to take back-up each and every time of project before running it. Because one error can crash the whole project. 3.2 Software Requirement and Specifications 3.2.1 Functional Requirements: The project needs strong internet connection Good audio recorder Photoshop application to create character and environment Voice edit application Platform for building the application 3.2.2 Non-functional requirements: Nonfunctional requirements define system attributes such as security, reliability, accuracy, maintainability, portability, supportability, scalability and usability. Reliability: The system must be reliable. Portability: System needs to be portable and platform independent. It must be available for the users who use different Operating Systems. Maintainability: The codes written in the project must be easy to maintain and must also be easy to modify. The code needs to be flexible, hence making it maintainable. Scalability: The capability of software is basically meant by scalability. Since the project is making use of latest technologies, the capability of software is scalable. For e.g.: If an application run in 2 seconds for 100 users would it be run also in 2 seconds with 200 users. Usability: The easier the software performs a specific task, the better is the usability. Our software is simple and easy to use hence maintaining its Usability. Performance: How fast and efficiently the software works, the better is the performance. Our software meets the following requirements hence its performance is not compromised. Supportability (serviceability). The project will have the ability to install, configure and monitor the software. And also is used to identify the faults and debug them. 3.3 Planning and Scheduling One of the important part of project management is planning and scheduling. As we know that this is a game and it is expected to face a lot of glitches and errors while coding so we have plan and schedule according to that. Let us see the points that we consider while planning and scheduling. 3.3.1 Planning: Planning can be thought as determining all the small tasks that must be carried out in order to accomplish the goal. Planning can also taken in rules, and known as constraints, which can control when certain tasks can or cannot happen. 3.3.2 Scheduling: Scheduling can be thought as determining whether adequate resources are available to carry out the plan. Proper Gantt chart and Program Evaluation Review Technique of the project will be shown. 3.3.3 Gantt chart and network diagram One of the most important consideration in development of project is time evolution. When it comes to time schedule management it is very important since more development time effect machine time, cost and cause delay in the development of some other system. Our project need time management. Hence gantt chart is very important factor for us. This are some screenshots of gantt chart. 3.4 Software Requirements: 1. Python 3.6.2 2. Operating system Windows or macOS or Linux 3. Safari 4. Internet Explorer 9 5. Google Chrome 6. Microsoft paint 7. Photoshop 8. Photo editing tools 9. Audio editing tools 10. Intel® Distribution for Python* 2018 11. Etc. 3.5 hardware requirements: 1. Processor: Intel Pentium 4 (Or) Higher 2. RAM: 512 Mb & Above hard 3. Disk Drive: 2 to 3GB Free Space Or Above 4. Speakers 5. Functional keyboard Recommended System Requirements: Processors: • Intel Core i5 processor 8 GB of DRAM • Intel Xeon processor E5-2698 v3 4 GB of DRAM • Intel Xeon Phi processor, 16 GB of MCDRAM Disk space: 2 to 3 GB Minimum System Requirement • Processors: Intel Atom processor or Intel Core i3 processor • Disk space: 1 GB • Operating systems: Windows* 7 or later, macOS, and Linux • Python* versions: 2.7 X 3.6 X 3.6 Risk identification The development and many risks may have to be

Linux Python versions: 2.7.x, 3.6.x 3.6 Risk identification The development and many risks may have to be dealt post development. Risk identification will be an important step of the process, where we need to identify the risks and prioritize of them. According to business needs Risks identified as of now are as follows. 3.6.1 Backing up data Our project is a game we have to make a backup of every file because a single error in code can lead to crashing of application. We have to make system backup as well to make sure no loss of any data. 3.6.2 Technical Performance issue As there are lot of technical challenges involved in development of the project and due to inexperience of team members, there is a chance that overall system performance may be compromised in order for certain functionality to work. 3.6.3 Inadequate initial data Main targeted users of our platform are beginners who lack coding knowledge. But in the initial stages of our application, there won't be much data for them to access, and this may motivate the users to quit the platform. 3.6.4 Challenging User Interface As we know that we are building application for blind persons so it is very big challenge to use to build the application which is very user-friendly easy to understand and functional on commands. Poor UI design will lead to navigation and discoverability issues, where users may not understand how to reach a particular section or a page, or may not know if a particular page exists leading to discovery of functionality