

Capstone Planning Writeup

I need to build a project for my capstone, I'm planning to involve all my previous projects in order to revisit the path I had come across. I have discussed about this with my mentor and he was also affirmative to the idea.

The projects I have been most amazed by are my Maze, apartment and my 360 media projects, so I must try to figure a way to combine all of them together.

The emotion I'm trying to achieve is Joy and surprise.

Features And Dependencies:

- 3D Videos

- Raw 360 media clips, which can be downloaded from my course resources.
- The videos must be stitched with Autopano.
- The stitched videos must be compiled and edited using adobe premiere.

- Game Loop

- Waypoints in my maze.
- Lock the door and randomly place the key.
- Hints to guide player towards the right areas
- Use flickering lights
- Providing a simple UI

- Audio and Animations

- Use happy music, in order to give the user a happy feeling.
- Spatialize the audio, to give the user an immersive experience
- Use animations, which would take the user by surprise.
- Play a video on the tv in the apartment, when the user walks in.

Scoping

Features And Dependencies:

- 3D Models + Animations

- Raw 360 media clips, which can be downloaded from my course resources.
 - ✳ **Was confused in selecting the theme, but decides to go on with, the concept covering India.**
- The videos must be stitched with Autopano.
 - ✳ **There was glitches while stitching the video, which I failed to notice and later on the user spotted it.**
- Editing videos
 - ✳ **I initially tried editing the videos using iMovie but then later on realised, 360 videos differ from regular videos, so used adobe premiere.**

- Game Loop

- Waypoints in my maze:
 - ✳ **Decided to use a different set of projects, in order to keep the experience easy and simple**
- Lock the door and randomly place the key.
 - ✳ **Revised: I will be giving the user a game instead of the maze.**
- Hints to guide player towards the right areas
 - ✳ **Revised: The user will be provided with a simple ui where everything will be clearly depicted.**
- Use flickering lights
 - ✳ **Revised: I was able to write the script for the flickering lights, but did not find a place to use it.**
- Providing a simple UI

- Audio and Animations

- Use happy music
 - ✳ **Revised: I downloaded royalty free music from the internet, and have used it in the project.**
- Spatilize the audio
 - ✳ **Revised: Will be using gvr plugin**
- Use animations, which would take the user by surprise.
 - ✳ **Revised: Have planned animations like simple ai and using gravity and also simulating particles.**
- Play a video on the tv in the apartment
 - ✳ **Revised: Will not be using the apartment project**

RESULT :

I was able to successfully build a project that would show my path in learning. I have made a simple UI and have used music in order to provoke happy emotions in the user.

The user is given three options,

1. Visit the streets of India
2. Visit a temple
3. Play a game

When one chooses an option, one is given an experience respectively,

For instance when one chooses the option to visit the streets of India, one is given a 360 tour of a street in India.