**Lab Prep 2**

|  |  |
| --- | --- |
| Student Name |  |

**1. Preparation for Augmented Reality (AR) Technology (.4 pts)**

There are different types of AR technology such as Marker Based Augmented Reality, Markerless Augmented Reality, Projection Based Augmented Reality, Superimposition Based Augmented Reality, and probably more.

Please do your own research and describe each category in one paragraph. Try at least one or more example apps for each category and answer for the questions below.

Feel free to use the Android tablets in the lab. You might have to use your own accounts, but be careful not to sync your personal things from your account and make sure to log out after use it.

Please create table like below for each category:

|  |  |
| --- | --- |
| 1. Category |  |
| Description |  |

|  |  |
| --- | --- |
| 1. App name |  |
| (1) | Write **one/two** sentence(s) to describe what this app is about. |
| ­­­­­­­­­­ | Answer: |
| (2) | Write **two or more** good things about this app . |
| ­­­­­­­­­­ | Answer: |
| (3) | Write **two or more** improvements to suggest. |
|  | Answer: |
| (4) | Write **one/two** sentence(s) of ideas how to apply to the goals of our stream. |
| ­­­­­­­­­­ | Answer: |

If you have more than one example in the same category, create more tables from the above.

**2. Building your Unity game to an Android device (.6 pts)**

Please follow the “Lab 2 - 1 Building your Unity game to an Android device” document from the Canvas, and complete the work.

Submit your work both with a unity package (.unitypackage), and Android Package Kit (.apk) file as you completed. If you use other device than Android tablet in the lab, you should specify what device and what version of Android you used.

Submitting both your unity package file and apk file, describe below for your work as you completed: Control of balls by moving the mobile device, Zoom in and Zoom out, Pan the camera view, Adjustment of Camera view, etc.

|  |  |
| --- | --- |
| 1. Package Name & apk Name | Prep2\_AndroidApp\_LastName\_Firstname.unitypackage &  Prep2\_AndroidApp\_LastName\_Firstname.apk |
| (1) | Describe what you completed in your Unity package |
| ­­­­­­­­­­ |  |
| (2) | Copy of your main part of your codes to describe here with comments |
|  |  |
| (3) | Details of explanation of your implementation. Algorithms, Methods, Functions, Libraries, Variables, etc. |
| ­­­­­­­­­­ |  |
| (4) | References |
|  |  |