

## **Group Project Information – Phase 3**

### **Group Members & Contribution:**

#### **Anthony Venditti:**

- Created and organized the group repo on github, along with the gh-pages.
- Completed phase 1 individual resources task.
- Attended group meeting.
- Worked on the code for phase 2 & 3.
- Created qr-code for scanning.
- Active in group chat.

#### **Imran Ghiasi:**

- Came up with the Excalibur sword & stone idea.
- Created a 3D model.
- Completed phase 1 individual resources task.
- Attended group meeting.
- Worked on the code for phase 2 & 3.
- Active in group chat.

#### **Muntaha Begum:**

- Helped come up with the Excalibur concept.
- Completed phase 1 individual resources task.
- Attended group meeting.
- Worked on the code for phase 2 & 3.
- Active in group chat.

#### **Andressa Zhu:**

- Created the sword and stone models.
- Completed phase 1 individual resources task.
- Attended group meeting.
- Worked on the code for phase 2 & 3.
- Active in group chat.

#### **Zhihan Ru:**

- Completed phase 1 individual resources task.

## Our AR Content:

Our project, titled “Excalibur: The Sword and The Stone”, brings the Medieval Times era back to life through the use of Augmented Reality (AR). Upon arriving at our website, which can be accessed easily by scanning our printed QR code, users will be greeted with a Medieval themed setting along with a brief storyline revolved around the famous King Arthur. Beneath this is a simple instruction of how the AR content works after clicking the ‘Take me to the Medieval Times!’ button at the bottom. Doing this will ask the user to allow access of their webcam/camera, and then the fun can begin by pointing our marker at the camera! A sword inserted inside of a rock will be displayed, in which allows users to click/tap on the sword and remove it from the stone ONLY if they are a ‘chosen one’. This is possible through the use of clicking events within the HTML and JS codes, as well as defining the mouse cursor as an entity. The sword and rock were both manually created and contain crisp textures and detail to allow as much realism as there can be. This activity is best experienced in the outdoors and in the wilderness.

## Storyline:

Have you ever heard of King Arthur? Being a popular source of Western legends and fairytales, the legends surrounding the British leader are well known. One of the most popular tales are about Excalibur, a legendary sword which had been magically embedded into a stone, with only King Arthur able to pull it out. Our group was inspired by this legend and decided to focus our project on it. Enter our website, and find out whether the sword finds you, the user, worthy of the magical weapon.

Instructions: Enter the website, where you'll find a link to a QR code. This will lead you to open your camera, and you will see the sculpture with the sword and the stone. Test your luck, and see whether you are worthy of wielding the almighty weapon!