

Priority	Difficulty	User Story	Feature (Requirement)	Tasking	Status	Assigned
1	1	As a user, I want a user interface so that I can select how far the camera and projector is to accurately project the image onto the ball.	Allow the user to set the distance from the projector to the screen, from the camera to the screen, the height of camera, the height of webcam's position, and possibly the angle of the projector.	Display input fields for the user to type in the distances and submit to the program.	In Progress	Kevin
1	1	As a user, I want a user interface so that I can select how far the camera and projector is to accurately project the image onto the ball.	Set restrictions on the maximum and minimum values for the distance between the projector and screen and between the camera and screen.	Specify to the user the accepted values. Prevent the user from submitting values outside of the range.	In Progress	Kevin
1	8	As a user, I want to have any image projected onto the ball so that it conforms to its spherical shape.	The image shows up at the precise location on the screen from webcam input in comparison of the computer screen.	Flexible for difference between webcam and projector locations	In Progress	Ian
1	13	As a user, I want to be able to track a ball in motion.	The application must have the ability to track the ball.	Circle Detection/Hough Circle	In Progress	Andrew
1	3	When an animated image is selected, its animation should be displayed in cropped size.	Animated images should be edited then reassembled.	Edit image as animated or still depending of file type.	In Progress	Zac
1	3	As a user, I want to have any image projected onto the ball so that it conforms to its spherical shape.	Square pictures must be edited to be round to fit over the ball when projected.	Crop image to be circular with a surrounding alpha layer.	Done	Zac
1	1	As a user, I want an interface that will allow me to choose file images to map the image onto the ball.	Allow the user to browse through their computer to select an image.	Implement a file dialog that allows the user to browse through their hard drives to select an image.	Done	Kevin
1	1	As a user, I want an interface that will allow me to choose file images to map the image onto the ball.	Verify the selected image with the user to ensure that they have selected the correct file.	Display the file path of the image after the image is chosen. If no image was chosen, let the user know.	Done	Kevin
1	2	As a user, I want a user interface so that I can control image selection and formatting settings.	Implement a GUI to control image selection and formatting settings.	Include a menu with various options and settings for the user to adjust for various distances to the screen from aparatuses.	Done	Kevin
2	5	As a user, I want to have any image projected onto the ball so that it conforms to its spherical shape.	Able to distort the image so that when it hits the ball it looks spherical.	Pass image through barrel distortion method	Done	Ian

4	3	As a user, I want to be able to record a video of my projection.	Session Recording and File Creation	Start webcam recording and save file without breaking memory constraints.	In Progress	Alec
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