

The EID SuperProject

Project 4, 5, and 6 make up the Semester SuperProject for EID.

- Project 4 was a design exercise for the SuperProject (100 points) (due 11/6)
- Project 5 is an interim delivery on the SuperProject construction (50 points) (due 11/20)
- Project 6 is the final SuperProject delivery (100 points plus bonus for project quality) (due 12/11)

Project 6 deliverables will be detailed later, the following outlines the deliverables for Project 5

Project 5 – SuperProject Interim Report/Demo

Deliverables

Updated WBS (10 Points)

- In Project 4, you created a WBS that outlined the work you expected to do during the project based on what you know today. For the three project phases (Project 4, 5, 6) update your WBS to show visually what has been done (on Project 4 and 5) and what is left to do. If the WBS has changed significantly, provide a documented list of changes and why they occurred.

Component List (15 points)

- This should be a text-based list of the system components that make up your SuperProject
 - It may be taken from your system diagrams in Project 4
- A partial (not complete) list for the “Magic Wand”, for example, might look like
 - Camera to Pi
 - Speaker to Pi
 - Microphone to Pi
 - Pi to AWS Voice to Text
 - Pi to AES Image Rekognition
 - Etc...

Component or Partial Demonstrations (25 points)

- You should be able to demonstrate basic operations of at least half or more of the items in your component list (above) to Bruce or the SAs. Examples:
 - Capture an image with the camera on the Pi
 - Exercise the Pi speaker and microphone
 - Demonstrate connections to AWS elements
 - Etc.
- Anything you’re not demonstrating, you should be able to discuss what technical work needs to be done to create the feature and integrate it with the system
 - You should be able to use your updated WBS as a reference to those work items
- The goal here is to do some early risk elimination by proving basic operations before system assembly

Grading

Elements

- Updated WBS – 10 points
- Component List – 15 points
- Component or Partial Demonstrations – 25 Points

The deliverables should be yours and your team's work:

- Cite any sources for any elements you used from the Web or other sources; should include the URL of the resource you took it from
- You may not directly use code or elements from other teams, although they may give you advice or suggestions
- If someone (students or class staff) helps you on part of your submission, please give credit in comments or title page

Submit all elements in a single PDF with a title page indicating the project name and the team members. The PDF submission is due 11/20 at 4 PM, demos with the SAs or Bruce can be scheduled shortly after that. No grade will be provided without a demonstration meeting.