

EID PROJECT 5 - THE MAGIC WAND

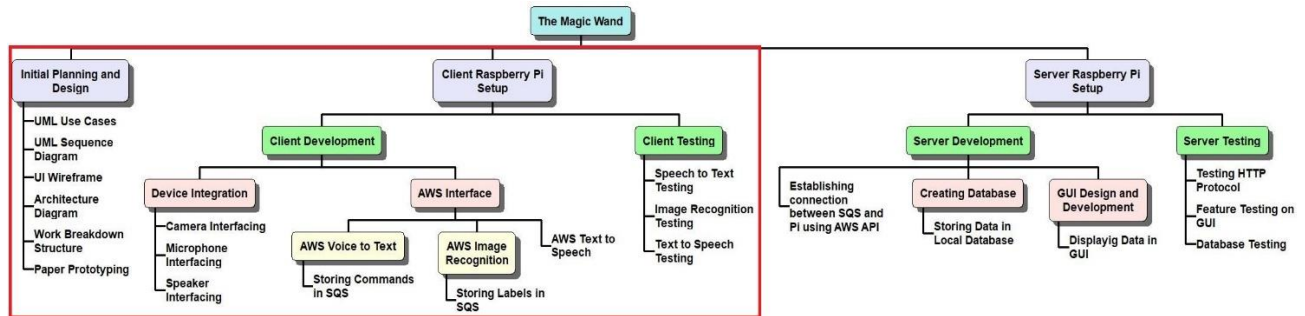
BY

Amreeta Sengupta

Ridhi Shah

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1. WORK BREAKDOWN STRUCTURE



- — : This represents the work finished so far.
- The unmarked section represents the work left to do (Server Pi Setup).
- In this sprint, we have done the following tasks:
 1. Interfaced the camera and Pi.
 2. Interfaced the microphone and Pi.
 3. Interfaced speaker and Pi.
 4. Speech to Text conversion using Amazon Lex.
 5. Text to speech conversion using Amazon Polly.
 6. Image Recognition using AWS Rekognition.
 7. Sending data to AWS SQS.

2. COMPONENT LIST

1. Camera to Client Pi.
2. Client Pi to Camera.
3. Microphone to Client Pi.
4. Client Pi to Speaker.
5. Client Pi to AWS Voice to Text.
6. AWS Voice to Text to Client Pi.
7. Client Pi to AWS Image Recognition.
8. AWS Image Recognition to AWS Text to Speech.
9. AWS Text to Speech to Client Pi.
10. AWS Voice to Text to AWS SQS.
11. AWS Image Recognition to AWS SQS.
12. AWS SQS to API.
13. API to Server Pi.
14. Database to Server Pi.
15. Server Pi to Database.
16. Server Pi to QT Display.

