

Mid-Term Evaluation

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Project Internet of Things
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What we learnt

1. Started off by learning to code on lambda (language used=node) using package alexa-sdk
2. Expanded our knowledge by using package alexa-app
3. Created session and organized databases on lambda
4. Learnt java for android
5. Learnt to work with notifications
6. Surfed through image processing apis
7. Learnt to send android message to lambda functions
8. Learnt angular for creating servers that could host photos
9. Learnt to send images to lambda



Mid-Term Evaluation

Mini-activities during this time

1. Created a basic quiz game based on knowledge of programming language
2. Created response cycle between website and lambda
3. Created an app for daily reminders on android
4. Created custom notifications and read notifications from another apps
5. Used tensorflow image processing, google vision, amazon rekognition api for image processing
6. Created an app to upload photos



Mid Term Project

1. Our app starts with calling our invocation name "Oh god". Alexa retrieves the SSL(Speech attribute) from amazon lambda.
2. Then each player submit their name through our android app. This data stores in our lambda database.
3. Then we invoke our skill using "let the allocations begin". Lambda allocates each player a character. We can retrieve our character from our app using the get character button.
4. To start the night cycle we say "let the night begin" to alexa. It triggers Lambda which returns a SSL to alexa. During this time players can use their power (if assigned) using the app. This data stays in the Lambda.
5. To start the day cycle we say "Let the day begin". It triggers lambda to compute the data collected from the night and declares whether the game ends, person is eliminated.
6. Then the players debate and finally vote whether to remove someone.
7. This data is computed when we say "Let the voting end" and the announcements are declared by alexa. The game then loops the cycle.
8. The best part in this whole stuff is you can type, send and replace your inputs into the android and any instant of time before the computation in the morning or during voting is done.

