

Capstone Project Weekly Progress Report

Project Title	MEALBUDDY
Group Name	GROUP_G
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Reporting Week	8 JUNE 2020 - 14 JUNE 2020
Faculty Supervisor	WILLIAM POURMAJIDI

1. Tasks Outlined in Previous Weekly Progress Report

- Connect UI code with Cognito to login and register. Setup Authentication using Cognito.
- Connect lex to dynamoDB using lambda function.
- Inserted Yelp API data to DynamoDB table (yelp_restaurant) using Lambda function

2. Progress Made in Reporting Week

- Setup AWS Cognito to manage your users, using User Pools.
<https://docs.aws.amazon.com/cognito/latest/developerguide/cognito-user-identity-pools.html>
- Create a Cognito-generated login page to authenticate the users.
<https://docs.aws.amazon.com/cognito/latest/developerguide/cognito-user-pools-ux.html>
- Create an Identity Pool and configure Cognito Identity Provider Manager to provision temporary IAM credentials to your logged in users.
<https://docs.aws.amazon.com/cognito/latest/developerguide/cognito-identity.html>
- Lambda-DynamoDB
 - Create an AWS IAM Policy to Grant AWS Lambda Access to an Amazon DynamoDB Table
 - Created a lambda function called scrapeYelpData.py to insert data into DynamoDB table called yelp_restaurant
 - Used python 2.7

3. Difficulties Encountered in Reporting Week

- **Had difficulties understanding the authorization process used in aws cognito and processing it.**
- **Trouble with yelp api authentication**
- **Trouble with lambda execution solved it by increasing lambda function timeout and granting dynamodb policies**

4. Tasks to Be Completed in Next Week

- **Create API Gateway for connecting UI with backend and work with api client.**
- **Create a Lambda function named 'LF1' which handles three main intents namely greeting intent, dining suggestion intent and thank you intent from Lex.**