INTERNET AND WEB SYSTEMS 1- (Fall-2018)

PROJECT REPORT - 3

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Milestones Completed

- Designed a bot using hubot framework
- Created a nodeJS module to run powershell scripts
- Deployed a sample bot using Heroku and integrated with my testing slack channel

Problems Faced

Finiding the right slack bot framework was really challenging as it need to be more extensible. I wanted to work this out using nodejs so I finally fixed with hubot framework. This is an MIT Licenced opensource project which generates a skeleton slack bot.

Architecture Progress

I started adding node modules to the bot as external package so that the bot's original code no needed to be touched/changed.
I am developing it as node packages so that I can contribute back to the community with my automation node package. If the logic is hardcoded inside the bot's code, then it can not be resued with another bot functionality

What is next?

I need to connect the bot to a data base. It can be a NoSql or Sql but I am planning to prefer NoSql(MongoDB) since it will be easier to save the values in JSON documents. The purpose of connecting it to a database(will be referred as bot brain throughout the project) is to keep track of the users who are invoking the automation scripts and provide access to them. Everyone should not be able to run every automation scripts. So keeping a database will help in this scenario.

References

1. https://www.cio.com/article/2415674/software-as-a-service/how-cloud-computing-and-mobile-devices-are-changing-your-application-strategy.html
2. https://searchitoperations.techtarget.com/definition/mobile-cloud-applications
3. https://hubot.github.com/docs/