

# StackRoute Remote - XT FSD Program For Sapient

## Capstone Project: Github Assistant – A Github Assistant for Collaborative Development

Project is to be done in pairs. Here are some basic ground rules:

- This is summative project for the XT FSD program
- Objective is for you to demonstrate all the skills learnt during the program
- All design, code & entire solution should be your own
- Individually, each of you must split the project such that you both have FSD skills to demonstrate
- Encourage pair programming for Test automation (one partner codes the automates testing for the other partner's code)
- Do one round of review within the team and refactor
- Follow the recommended milestones for submission
- Submission must be complete (to include all details requested)
- Project is considered complete post refactoring all issues reported from reviews from mentors

### 1. Build a conversational interface for Github, with the following functionality:

- Users should be able to:
  - Create Repository
  - Add github users as collaborators to a repository
  - Create Issues in a project
  - Get List of open issues in a project
- Messaging with other users:
  - Users should be able to send and receive messages from other users
  - Users should be able to send commands to the bot while messaging other users. The response from the bot needs to be visible to both users

### 2. Reference: Github for slack