**BSCH-SD2**

**Project: Developing a chat bot app.**

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| Course | BSCH |
| Stage/Year: | 2 |
| Module | Software Development 2 |
| Semester | 2 |
| Assignment: | 1 |
| Date of Issue: | Week 5 |
| Milestone 1 deadline | Week 8 |
| Milestone 2 deadline | Week 10 |
| Final Deadline: | Week 12 |
| Assignment Weighting: | 60% of Module |
| Assignment Submission: | Moodle |

**Project Aim:**

The objective of this project is to develop a custom made chatbot that integrates a weather API.

* The goal of your chatbot is to plan your clothing requirements for a trip that will visit 5 locations in 3 days.
* The bot should be able to review the weather for each of these locations and suggest appropriate clothing for each location for the day that you will visit.
* Your team must indicate which team member wrote each method and document its functionality.
* Each team needs to create a repository for the chatbot and add the lecturer to the project as a member.
* There must be evidence of a testing framework for each feature of the chatbot.
* There must be evidence that all members have both pulled code from the repository and committed changes to the project at each milestone review.

Extra Features (Optional)

* Adding a GUI for your chatBot.

**Grading**

The project will be assessed on three main milestones. At the end of each period the team will present their code, pull/commit logs, and a short report to the lecturer for a code interview. - Once the interviews have been completed, the team will progress onto the next features to implement. Based on each milestone review the team must produce a testing framework for the features in the next section of the lifecycle.

Milestone 1 (20%):

The basic design and functionalities of your app should be demonstrated.

You need to submit:

* An archive of your project so far including the git repository (only zip format is accepted).
* Your project documentation. (only pdf or .docx format is accepted).
  + A 1-page report detailing what changes have been made since the previous review.

Deadline: Sunday 23 March 2025

Milestone 2 (20%):

Functionalities should be demonstrated for most of the app features.

You need to submit:

* An archive of your project including the git repository (only zip format is accepted).
* Your project documentation. (only pdf or .docx format is accepted).
* A 1-page report detailing what changes have been made since the previous review.

Deadline: Sunday 6 April 2025

Milestone 3 (20%):

Your app should be fully functioning.

You will need to submit:

* Archive of your complete project including a link to the git repository (only zip format is accepted).
* The full project documentation (only pdf or .docx format is accepted).
* A 1-page report detailing what changes have been made since the previous review.

Deadline: Sunday 27 April 2025

The use of version control is required on all the stages of the project. Each team member needs to make commits to your repository to be granted individual marks.