USECASES

USECASE 1: Collect Daily tasks and keep track of the commits

The first use case is for sending reminders to the users i.e. team members to commit at the end of the day and if the user does not commit then shows the time overdue.

1. Preconditions

    User must have a GitHub account to push all the work done on a daily basis. User must have a slack account and be member of the team they are working with.

2. Main Flow

    The user will inform the bot that they are done for the day [S1], then the bot will notify and remind the user that it is time to commit the work done [S2]. Also, it shows users overdue tasks with time if they have not committed previously [S3], to prevent users from slacking in their work.

3. Sub Flow

    [S1] The user will inform the bot that they are done for the day.
    [S2] The bot will remind the user that it is time to commit the work done.
    [S3] The bot shows them tasks overdue with time.

4. Alternative Flows

    No team members available.
    The user is not at work for that day.

USECASE 2: Creation and assignment of tasks

The second use case is for the admin i.e., the team lead to create and assign tasks to the different team members.

1. Preconditions

    The admin is the only person who can directly assign and configure the bot.
    The admin should have a GitHub and slack account as well.

2. Main Flow

    Instead of the admin sending out separate emails to each person with their tasks, they will just need to upload the task assignment to the bot [S1] and the bot will take care of notifying the team members of their tasks [S2]. The different tasks will be assigned to the team members according to what the admin has sent to the bot.

3. Sub Flows

    [S1] The admin will upload a file with the team members and their respective tasks
    [S2] The bot then notifies the team members of the tasks they have been assigned

4. Alternative Flows

      No tasks need to be assigned.

      One or more team members don't have any tasks assigned to them.

USECASE 3: Notification the tasks due

One more use of this bot is to collect daily tasks and activities of the users i.e. the team members. It is used notifying the users who are working on the project with the tasks due and provide a list of tasks due with priority.

1. Preconditions

      User must have a GitHub account to push all the work done on a daily basis.

      The user must also have a slack account and be member of the team he is working with.

2. Main Flow

      The user will log into the system in the morning and then ask the bot what are the tasks for today [S1] to help keep track of what should be done. The bot having saved all the previous activities will provide a list of tasks that should be dealt with immediately which are of utmost importance [S2] and then the other tasks after.

3. Sub Flows

      [S1] The user asks the bot what are the tasks for today.

      [S2] The bot replies with a list of tasks with priority according to which one should be dealt with first.

4. Alternative Flows

      All the tasks have already been completed before hand

      Too many tasks are remaining and the user cannot complete everything.