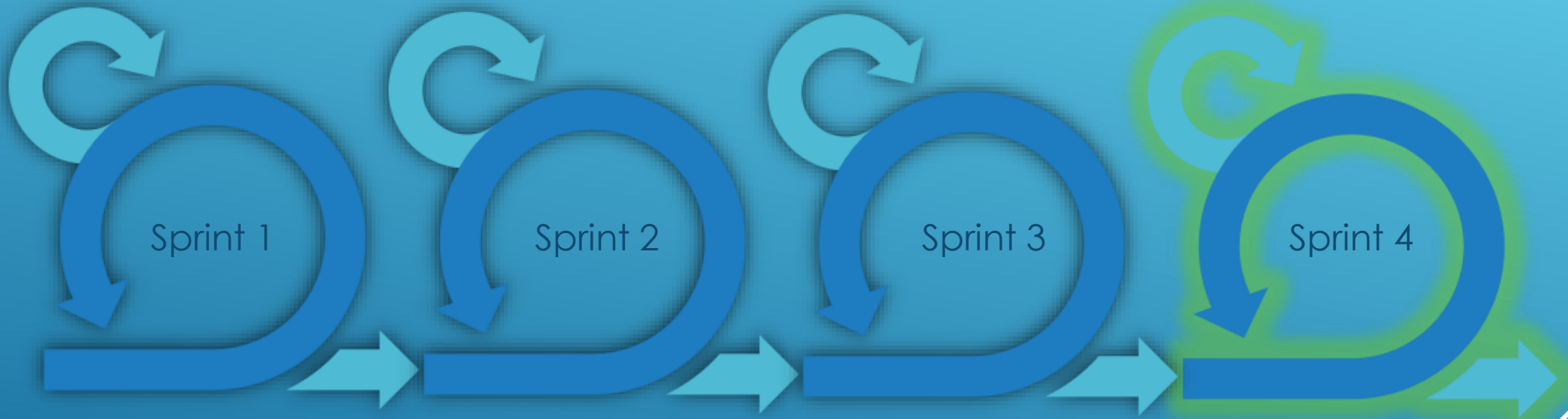


SPRINT 4



- Developed the registration and login module with authentication.
- Created tables in MongoDB for registration and login.
- Created Integrated APIs for web application.

SPRINT BACKLOG

Sprint Task	Module	Priority	Issues Encountered	Start Date	End Date	Status
Sprint 4 : Task 1	API	Medium	Update of Rest API is not working.	10/28/2020		In-Progress
Sprint 4 : Task 2	Database	Medium	Aggregation of user table is not working.	10/30/2020	11/15/2020	Completed
Sprint 4 : Task 3	Login and Database	High	Not able to store user information in memory for further functioning of application	11/02/2020	11/20/2020	Completed
Sprint 4 : Task 4	Registration	High	Cannot encode the password using secret key in Python	11/09/2020	11/16/2020	Completed

RETROSPECTIVE SPRINT 4

What went well +

Sync up with team members, tasks division to each member, and documentations and uploading process on the wiki page.

+ 0

Creation of Web pages such as UI and integrated API with frond-end to the back-end including database for communication.

+ 0

Combined web app to database and able to store registration and login credentials to the database.

+ 0

Successfully learned and applied Flask development for our web application.

+ 0

Learned and applied required join queries to the database for registration and login page, and saving other data.

+ 0

What needs improvement +

Our planning for deciding on cloud according to its availability is still going on and will start working on it next semester.

+ 0

Deciding about the overall final design of web application.

+ 0

Still working on saving users' source code and merging compilers so that users can edit and update their source code during compilation.

+ 0

Next Steps +

Will be working on cloud computing for our web application in the next semester and connecting our application to it.

+ 0

Formatting the output and the error message.

+ 0

Taking arguments for the source code.

+ 0

We will try to test the compile module if it is working properly with the flask. Also we will make sure if the input entered by the user will be processed as a whole string.

+ 0