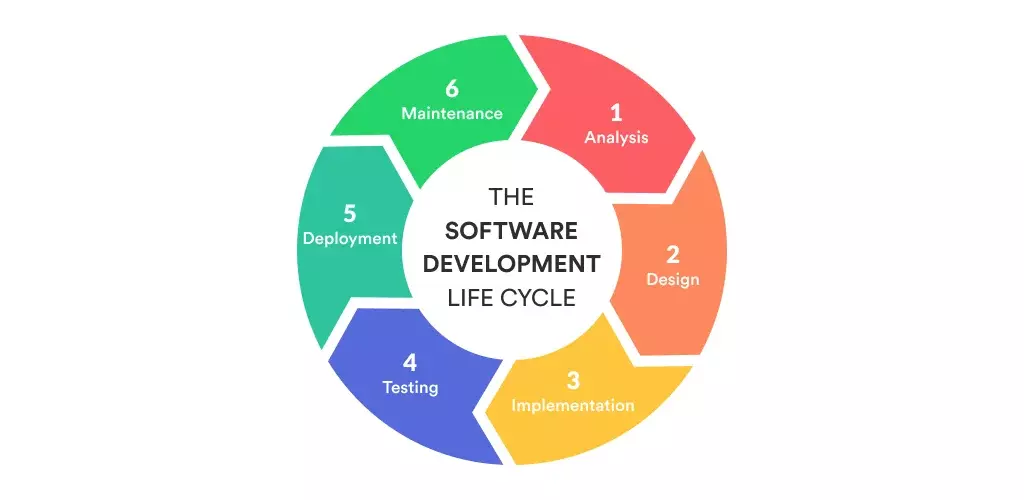
**Software Development Methodology**

This study will use and follow the SDLC(Software Development Life Cycle) called Agile. Agile is chosen for it’s flexibility and using the iteration on each tasks it can leverage with Scrum, ensuring that the development aligns with the needs throughout the project cycle.



***Figure 1*** *Agile SDLC*

Source: <https://mlsdev.com/blog/agile-sdlc>

**Development Process based on the selected SDLC**

**Analysis of the requirements:**

Gather all of the requirements through surveys with the respondents and explain the main features and the functionalites of the system, such as the technology we're using on this system OpenAI, explain how the AI works when you try the system, and guiding them for creating the account or logging-in to respondents.

**Design:**

Design a wireframe and the mock-up so the user can see the flow and the planned view of the user when the benefactor use the system aside from the front-end design we need also to design the flow diagram like DFD and use-case diagram of the user and the adminstrator when they use the system once it’s developed.

**Implementation:**

Developers will develop the front-end of the system by using HTML, CSS and Javascript, this three languages are known for their flexibility with other devices and it’s much more friendly to the device. For the back-end, MySQL will be the choice to store the data of the users and for the chat logs we will have the another database for the chat logs we will develop it on MongoDB to make sure that all of the chat histories will be saved and the user will use the system again with saved chat histories.

**Testing:**

Do a initial testing to make sure the whole system will work properly especially the AI will provide a accurate and relevant to the main purpose of the system and will not provide the irrelevant information of what user's ask to the system. Also implement a user acceptance test with the target benefactors. Testing the system will use in a local server for the beta testing.

**Deployment:**

Deploy the web application in the domain and gather some feedback after the initial development and if the user spots some error create updates and ffixes if necessary.

**Maintenance:**

Plan for the future updates to enhance from to front-end for greater user-experience and back-end for more features.