**Validating Test Data Using Web Services for Authentication Module**

Background:

In the development of authentication modules for healthcare platform web applications, there is a crucial need for a robust framework to validate test data through web services. This framework will facilitate storing user details and executing registration and login functionalities efficiently.

Requirements:

To fulfill this requirement, we will utilize the following tools and technologies:

- Eclipse IDE
- Java 1.8
- TestNG
- Maven

Process:

Project Setup:

- Create a new Maven project in Eclipse IDE.
- Configure Java 1.8 as the project's JDK.
- Add dependencies for TestNG in the project's pom.xml file.

Setting Up Test Classes:

- Create test classes to cover registration, login, and user retrieval functionalities.
- Utilize TestNG annotations to structure test cases and define test methods.

Implementing Test Cases:

- Write test cases for registering a user, logging in, and retrieving user data.
- Utilize HTTP requests to interact with the specified endpoints provided in the problem statement.
- Use assertions to validate the responses received from the endpoints.

Integration with GitHub:

- Initialize a Git repository for version control.

- Create a .gitignore file to exclude unnecessary files from being tracked.
- Commit the initial project structure to the repository.

Coding and Testing:

- Develop the necessary code to interact with the provided URLs for registration, login, and user retrieval.
- Test the implemented functionalities locally to ensure correctness.

Documentation and Tracking:

- Document the step-by-step process followed for implementation.
- Specify the files ignored in the .gitignore file.
- Ensure comprehensive documentation of tracked files, including code, configurations, and README.

Finalizing and Pushing to GitHub:

- Perform a final review of the implemented functionalities and documentation.
- Ensure all tracked files are ready for submission.
- Push the committed changes to the GitHub repository.

Conclusion:

By adhering to the outlined process, a robust framework for validating test data using web services for the authentication module can be successfully developed. This framework ensures the seamless integration of registration, login, and user retrieval functionalities into healthcare platform web applications, enhancing their security and reliability.