



Cover page

Project title: DevHub

Academic Year: 2024/2025

Group Members: نصرالله أنور احمد الشاعر

Department Name: Department of Computer Engineering

كريم مازن يعقوب يعقوب

Project Type : Software

Supervisor Name: Dr. Samer Arandi

Format:

- Single space, Times New Roman.
- 12 pt,
- Maximum 1 page.

Abstract Body:

Items must be provided in the Abstract:

- Why do you think this project is important? Please explain the significance of this Project in brief.
- In your point of view what are the important aspects that should be covered in the project?
- Objective(s): In your view, please explain the main objectives of the project.
- Methodology: Give a brief outline of the application development process.
- Had this project been done before? Are there any similar applications available today?
- **Note:** Please deliver this abstract early to ensure that your Project has been approved by the department's projects committee. **Registration will not be done without this approval.**



Project's Abstract:

DevHub is more than just a community. It's a universal platform where developers can access everything they need. Beyond communication and idea-sharing, it provides a space where developers can collaborate, exchange knowledge and test new frameworks and programming languages.

Introducing our integrated cross-language IDE, which allows you to write, test and share your code effortlessly. Which is also paired with our Coding AI assistant, that enhances the developer experience by assisting with code writing, answering questions and reviewing code. The IDE also includes essential coding tools, that saves time and effort by eliminating the need to search for or create them.

As frameworks evolve rapidly, Developer Hub can connect the developer to various cloud-based framework sandboxes which allow seamless development and testing of code and products without setup overhead.

Understanding the challenges of limitless debugging, Dev Hub offers a bug bounty section where you can post issues and have other developers help resolve them, earn points, and exchange knowledge.

Also, DevHub extends to enable code search across GitHub open-source projects which enable the developer to learn from real world example and real use cases of codes segments or libraries and frameworks.