

Step-by-Step Guide for Setting Up the Environment in GitHub Codespaces:

1. Go to the Repository:
 - a. Open the provided link: <https://github.com/interleap-team/flask-web-development-template/tree/main>
 - b. This will take you to the GitHub repository containing the setup for “**Web Development using Flask**” lab.
 - c. If you aren’t logged into GitHub, please do Sign-in
2. Create a Codespace:
 - a. On the repository page, look for the **Code** button (green) near the top right corner.
 - b. Next to it, there is a tab called Codespaces. Click on it.
 - c. Select **Create Codespace on Main**. This will create a new Codespace instance based on the main branch of the repository. If there’s no option to create it, ensure your account has GitHub Codespaces enabled.
3. Wait for the Codespace to Start:
 - a. It may take around 5-7 MINUTES for the Codespace to initialize. Be patient.
 - b. Once it's ready, you will be automatically redirected to the integrated development environment (IDE) within your browser.
4. Open file **1-Introduction_to_Flask_and_Application_Setup.md** to Start:
 - a. Right click on file name “**1-Introduction_to_Flask_and_Application_Setup.md**” and select “Open Preview” to view the contents of the file.
 - b. Above file provides description of the initial setup and activities to be performed.
 - c. Follow the steps to set up flask environment and execute your first activity.
5. Repeat Step 4 for other files as well and complete the activities mentioned in the file:
 - a. **2-Working_with_Templates_and_Static_Files.md**
 - b. **3-Handling_Forms_and_User_Input.md**
 - c. **4-Database_Integration_with_Flask-SQLAlchemy.md**
 - d. **5-Authentication_and_Deploying_Flask_Applications.md**
6. For your reference, sample code for all the activities are also included in the codespace under the folder “**Activity_Reference**”. You can follow the structure in case you are not able to understand any of the labs.
7. Commit Your Changes (Optional):
 - a. If you want to save your progress or push changes to GitHub, click on the **Source Control** icon in the left panel.
 - b. Stage your changes, add a commit message, and push the changes to the repository.
8. Closing the Codespace:
 - a. After finishing your work, following below steps to stop your codespace:
 - i. Navigate to the "Your Codespaces" page at <https://github.com/codespaces> in your github login.
 - ii. To the right of the codespace you want to stop, click the ellipsis (...).
 - iii. Click **Stop codespace**.