# Development Guide

## 1. Clone the Repository

1. Open GitHub repo
2. Copy the code link
3. Open your terminal or Git Bash.
4. Navigate to your preferred projects folder.
5. Run:
   * git clone <repository-url>
   * cd <repository-folder>

[Screenshot Placeholder: cloning repo]

## 2. Create a Feature Branch

1. Make sure you’re on the master branch:
   * git checkout master
   * git pull
2. Create a new branch for your feature (naming format: feature/ID-1234):
   * git checkout -b feature-1234

[Screenshot Placeholder: creating branch]

## 3. Run Backend (Spring Boot) in IntelliJ

1. Open IntelliJ IDEA.
2. Go to **File → Open** and select the backend project folder.
3. Set up Maven:
   * Open the **Maven Tool Window**: View → Tool Windows → Maven.
   * Click **Reload All Maven Projects**.
4. Select the **Spring Boot main class** (e.g., Application.java).
5. Click the **Run** button.

[Screenshot Placeholder: Maven reload]  
[Screenshot Placeholder: Run Spring Boot]

## 4. Run Frontend (Angular)

1. Open a terminal inside the frontend project folder.
2. Install dependencies:
   * npm install
3. Start the Angular dev server:
   * ng serve
4. Open your browser at [http://localhost:4200](http://localhost:4200/).

[Screenshot Placeholder: running Angular]

## 5. Commit Changes

* Stage your changes:
  + git add .
* Write a commit message using the format:
  + <type>: <short description>
* Example:
  + feat: implement user login API
* Common types:
  + feat: for new features
  + fix: for bug fixes
  + docs: for documentation changes
  + refactor: for code improvements
* Commit:
* git commit -m "feat: implement user login API"

## 6. Push Your Branch

git push origin feature-1234

[Screenshot Placeholder: pushing branch]

## 7. Raise a Pull Request (PR)

1. Go to the repository in GitHub/GitLab/Bitbucket.
2. You will see a message suggesting your recently pushed branch — click **Compare & pull request**.
3. Fill in:
   * **Title**: short summary of the change.
   * **Description**: detailed explanation + ticket reference.
4. Assign reviewers and click **Create Pull Request**.

[Screenshot Placeholder: creating PR]