

Objective:

Codingfolio is an educational IDE (integrated development environment) that uses for developer's web based environment. It will have three different options; Java Tutorial, code editor, and share. First, tutorial helps to learn coding. Second, code editor is development environment with web based. Finally share is developer can share their code with others.

End Users:

Programmer: It is main user this web site. They will learn, write, and share code.

Use Cases:

User create account and login

Actors: Programmer

Precondition: New user create account to use website

Trigger action: A user chooses among three options

User uses Tutorial

Actors: Programmer

Precondition: Tutorial questions are presented to the user.

Trigger action: A user solves each of questions.

User test question

Actors: Programmer

Precondition: A user gets result of questions.

Trigger action: A user solves next questions.

User writes code

Actors: Programmer

Precondition: A code editor is presented to the user.

Trigger action: A user creates a new file or load files.

User compiles, and run file.

Actors: Programmer

Precondition: A user has no syntax error file.

Trigger action: A user compiles it and run file.

User saves file.

Actors: Programmer

Precondition: A user save file on website or own computer.

Trigger action: A user press save button.

User shares file.

Actors: Programmer

Precondition: A user has file in website

Trigger action: A user press share button.

User choose member.

Actors: Programmer

Precondition: A user sees the list of friends.

Trigger action: A user chooses friend.

Major components

Tutorial

Functional: Compare answer.

Check user's answer.

Nonfunctional: Various Questions (Documentation)

Code editor

Functional: Write code.

Record code.

Check syntax.

Run file.

Save files.

Nonfunctional: Empty document to write code.

Storage for save file.

Share

Functional: Deliver code to other.

Editing code.

Save files.

Nonfunctional: Access level.

Account.

Flow diagram

