

Name: Warren Ferrell

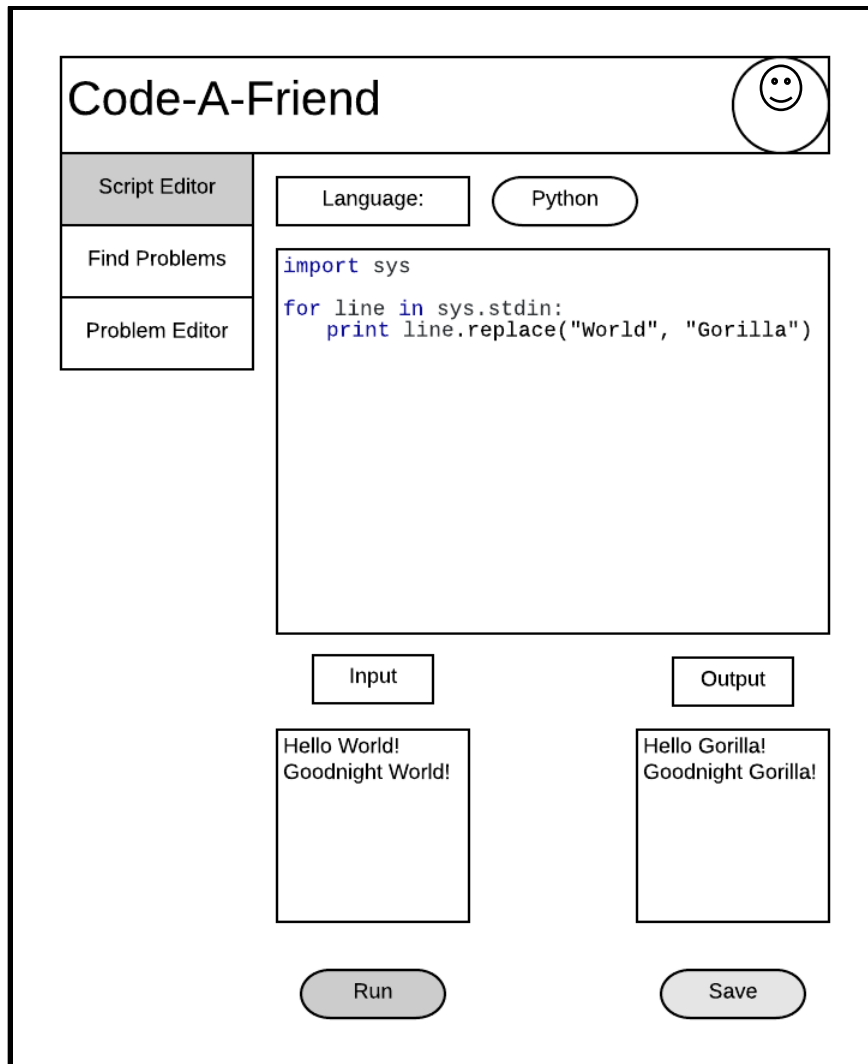
Title: Code-A-Friend

Project Summary: A website for submitting and voting on code samples that solve user submitted problems. Will only support python at first.

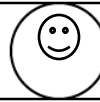
Project Requirements:

Requirement Id	Requirement Name	Description
UR-01	Script Editing	As a user, I want to be able to type up a python script that I want run.
UR-02	Script Saving	As a user, I want to be able to save, delete or retrieve a script that I have written.
UR-03	Script Execution	As a user, I want to be able to have a script that I am working on be run for me.
UR-04	Script Analysis	As a user, I want to be able to see how long my script ran for and how much memory it consumed during execution.
UR-05	Problem Editing	As a user, I want to be able to create a problem with a text description.
UR-06	Problem Saving	As a user, I want to be able to save a problem that I have written and retrieve problems I have saved.
UR-07	Problem Testing	As a user, I want to be to add a set of tests that determine if a script is a solution to a problem.
UR-08	Solution Submission	As a user, I want to be able to submit my script as being a solution to a problem.
UR-09	Problem Solutions	As a user, I want to be able to see all scripts that solve a problem, after I have submitted a correct solution.
UR-10	Solution Voting	As a user, I want to be able to vote on a solution as being a good solution to a problem.
UR-11	Problem Tagging	As a user, I want to be able to tag problems so other people can search for them.
UR-12	Problem Searching	As a user, I want to be able to search through problems by tags to find one that I want to solve.
AR-01	Script restrictions	As an admin, I want to be able to limit the amount of memory and cpu time a script can be allocated.
AR-02	Problem deletion	As an admin, I want to be able to delete problems that I believe contain inappropriate content.

UI Mockups:



Code-A-Friend



Script Editor

Search:

easy, numbers,

Find Problems

Problem Editor

Summing Numbers

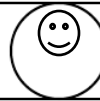
Sorting Numbers

Finding the maximum number

Finding the median number

Finding an Average

Code-A-Friend



Script Editor

Title:

Summing Numbers

Find Problems

Description:

Problem Editor

Little Jimmy needs some help. He went to Vegas and made a boat load of money using his patented card counting technique but now he has no way to add up all the money he made. He will give you dollar amount of each bill as he picks them out of the bucket and when he is done he wants the total amount earned printed to stdout.

Test Cases

Input

ExpectedOutput

1
1

2

0

Submit

Class Diagram

