School of Electrical Engineering, Belgrade

Coursework for Software Engineering Principles (SI3PSI)

**Project: CodeUp**

*Use case specification for Browsing problem statements*

Document version: 1.0

**Name:**

Browsing problem statements

**Identifier**

UC3

**Description** (*A* c*ouple of sentences or a paragraph describing the basic idea of the use case****)***

Once on this page, Users/Guests will have a “view” on all existing problem categories that are hierarchically organized. Individual problems will be presented to the user in a menu-like manner, well organized into small pages of problems (i.e. if there are 30 problems under “linked-list” category, they will be organized into 3 pages of 10 problems).

**Goal** (*The business goal of the initiating actor*)

Users can browse and choose problem statements they are interested in solving.

**Preconditions** (*List the state(s) the system can be in before this use case starts*)

**Assumptions** (*Optional, List all assumptions that have been made)*

**Frequency** (*Approximately how often this use case is realized, e.g., once a week, 500 times a day, etc*.)

Often, as this is the main functionality of our platform.

**Basic Course** (*Describe the “normal” processing path, aka, the Happy Path*)

1. User visits our “problem domains” page.
2. User makes a choice from the list of problem categories.
3. System redirects him to the collection of subcategories under the chosen category.
4. User chooses some specific subcategory.
5. System redirects him to the page that contains a collection of problems within that category.
6. User chooses one of the given problems.
7. System redirects him to corresponding problem statement page.
8. User can now read the problem statement, and can see some simple examples of input-output pairs that should aid him in understanding that problem.

**Post conditions** (*List the state(s) the system can be in when this use case ends*)

1. User has landed on the specific problem statement webpage.

**Actors** (*List of actors that participate in the use case*)

**Notes**

*List any "to dos", concerns to be addressed, important decisions made during the development of this use case*, …