**Test Generator**

Supplementary Specification

Version <1.0>

Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 21/mar/20 | <x.x> | First edit | Andrei Tosa |
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**Supplementary Specification**

# Introduction

This application will be created as an addition to the Panthera Competitive Programming Online Platform. The application will enable the user to create from the graphical user interface tests for the problems, and test different code sources to see how they perform.

# Non-functional Requirements

*[Define system quality attributes in terms of scenarios according to the following template:*

* *Quality attribute definition*
* *Source of stimulus: the entity (human or another system) that generated the stimulus or event*
* *Stimulus: a condition that determines a reaction of the system*
* *Environment: the current condition of the system when the stimulus arrives*
* *Artifact: is a component that reacts to the stimulus. It may be the whole system or some pieces of it*
* *Response: the activity determined by the arrival of the stimulus*
* *Response measure: the quantifiable indication of the response*
* *Tactics*

*]*

## Availability

## Performance

## Security

## Testability

## Usability

# Design Constraints

For this project I have decided to use the Python 3 programming language, since it can be compiled for multiple platforms. The application should be able to call commands and compile and run code written in C/C++. For the future multiple languages will be supported.