Plagiarism-Detector
User Guide

Team-107

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Getting Started

Requirements

OS - Windows, MacOS, Linux,
RAM - 2GB+,
JRE – 1.8+,
Maven – 3.2+

Quick Start

1. Once you clone the repository. Move in the plagiarism-detector folder.
2. Open a terminal/command-prompt in that folder.
3. Download javaFX jar using the command - mvn install:install-file -Dfile=jfxrt.jar -DgroupId=com.oracle -DartifactId=javaFX -Dversion=2.2 -Dpackaging=jar
4. Open the maven project in your favorite IDE and you are ready to go.
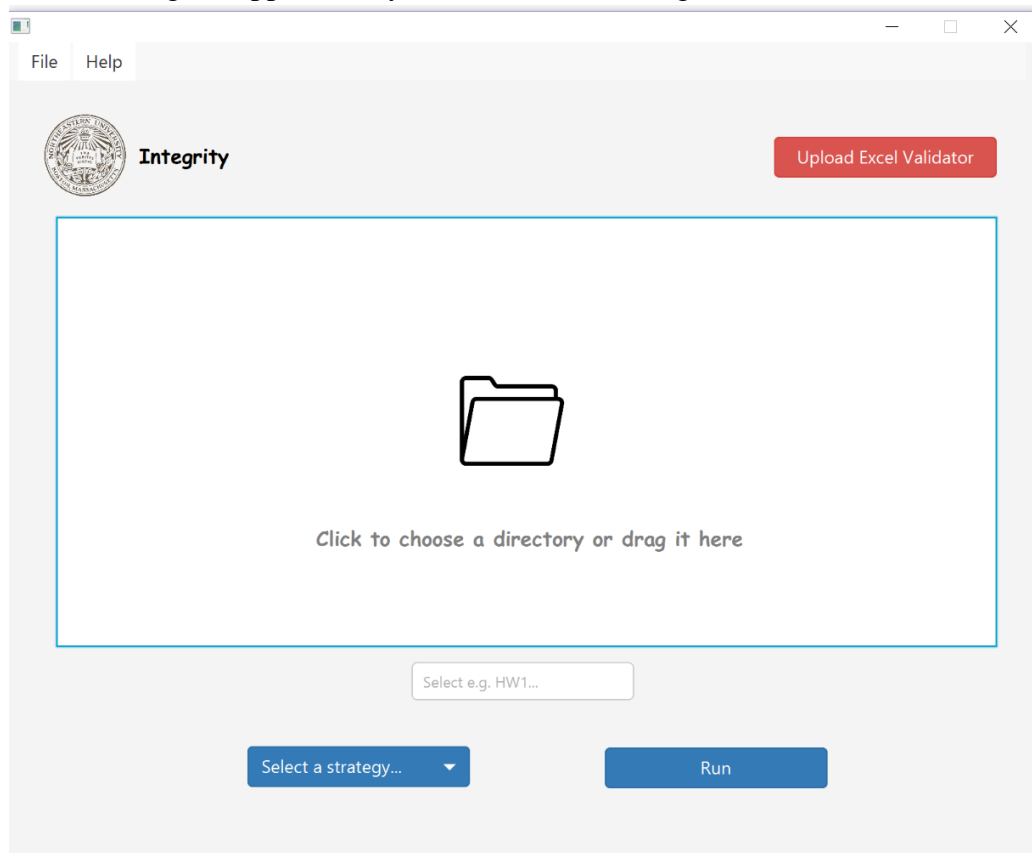
Launching the Application

To launch the application
Run – src/main/java/view/Main.java

Prerequisites:

1) The user must set up the student data in an .xlxs file. Refer – \plagiarism-detector\src\main\resources\studentData.xlxs
2) The user must accept the Homework from the students adhering to a particular folder structure. Refer - \plagiarism-detector\src\test\java\controllers\test-repos
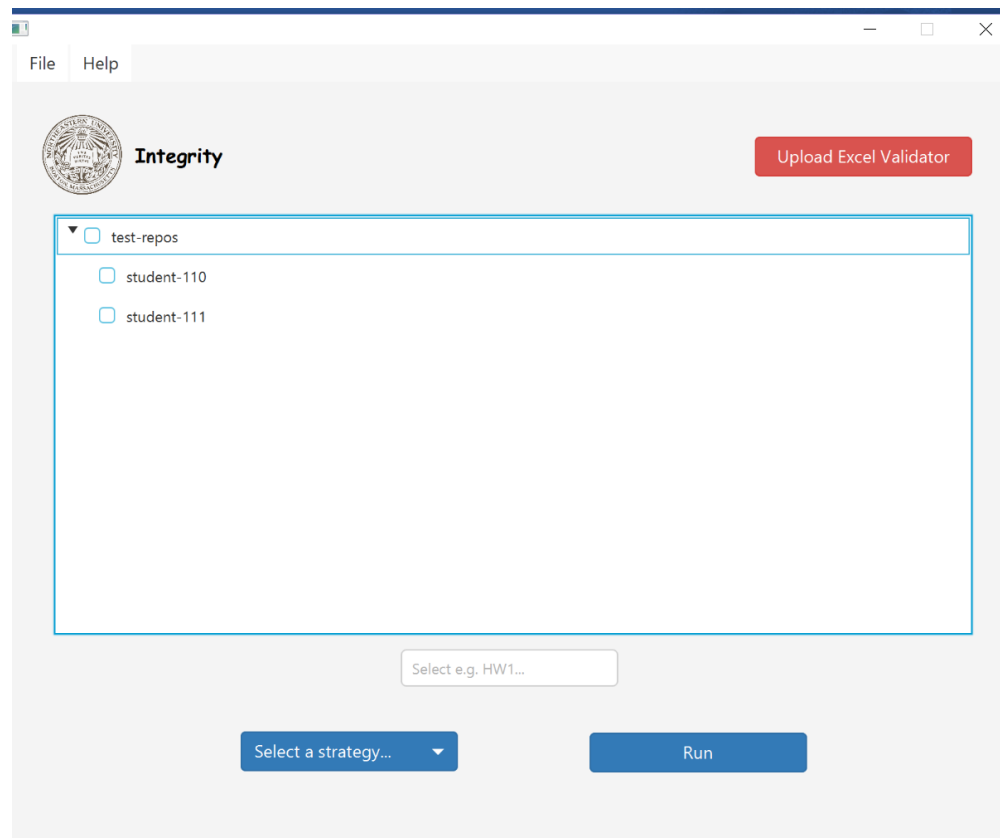
Using the Application:
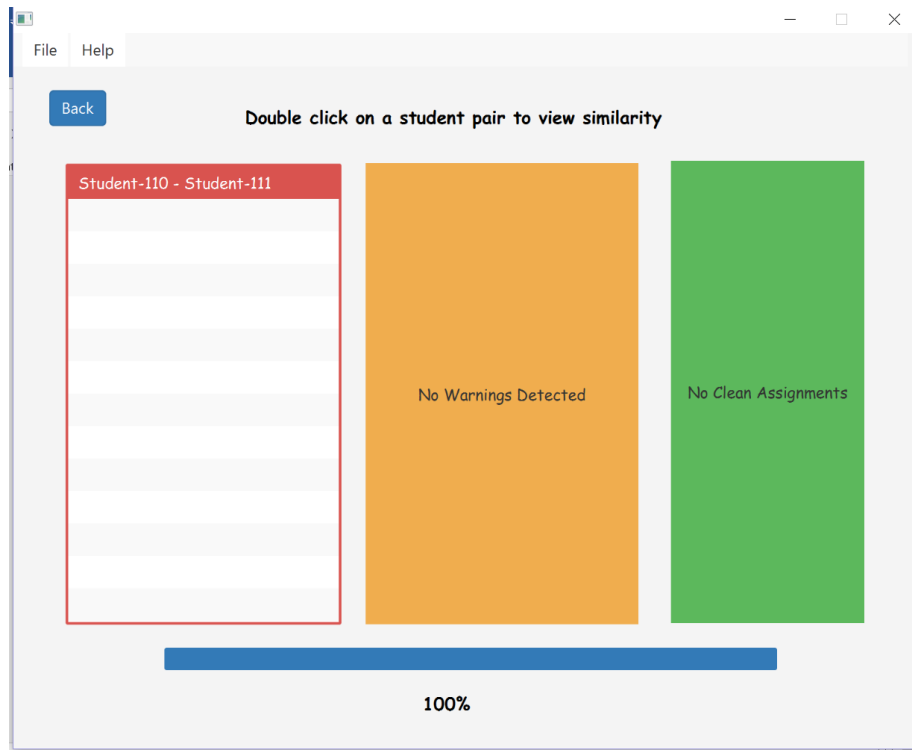
On launching the application you'll see the following screen

1) Choose or drag the hw folder in the area specified. For testing you can use \plagiarism-detector\src\test\java\controllers\test-repos
2) Select the HW you want to run your plagiarism test on
3) Select the strategy
4) Upload the student database in .xlxs format using the Upload Excel Validator button.

Once you have completed the above four steps the screen would look something like

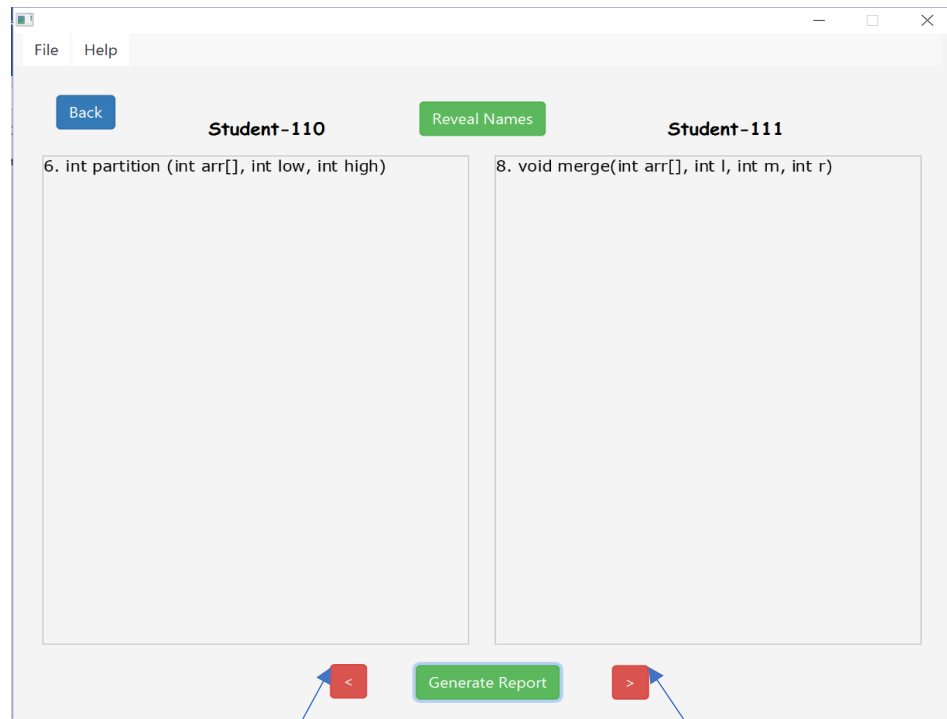Now select the students from the option provided and click 'Run'.

Once the scan is completed you can view the following screen

To view the similarity-score single click on the student pair.

To view similarity-snippets double click on the student pair.

After we double click on the student pair the following screen shall appear.

Click this button to view the previous similar code snippet

Click this button to view the next similar code snippet

On clicking the generate report button the user can download a report consisting of student names also consisting the code snippets which appear to be similar and plagiarized.

On clicking the reveal names button the user can view the names of the students. Note – we will be having two versions of this software one for professors and one for TA. The Reveal Names button will be disabled for TA.