UNIVERSITY COLLEGE DUBLIN

SOFTWARE ENGINEERING PROJECT II

README

Lecturer:
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Team*Olympians:*

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1 Overview

This Project Allocation System is done using java **NetBeans IDE**. The Raw Netbeans installation can run this project without any external add-ons.

Also there is a **Stand Alone Binary** which can be run from the terminal itself.
projectallocationsystem/stand-alone

2 NetBeans Project File Execution

- Download Project File Olympians.zip

- Unzip the file

- Open NetBeans IDE

- NetBeans → File → Open Project → [*path to file*/Olympians/projectallocationsystem]

- NetBeans → Run → Run(ProjectAllocationSystem)

- **This should give you a pop up with GUI**

- Select Browse → [*path to Project file*/Olympians/projectallocationsystem/src /projectallocationsystem/projectAllocationData.tsv] → Select OK

- Select Execute Button on the GUI Main Interface

- Genetic Algorithm Result is in the *default* tab

- Select Simulated Annealing Tab → **This view contains the Simulated Annealing Result Table**

2.1   Export to PDF

- Select Print PDF From UI

- Select *Print to PDF* in Pop Up Print Dialog

- Enter Output File Name [Example : *Genetic-Algorithm-Results*] →
  Save

- Another Print Dialog will pop up

- Enter Second File Output Name [Example : *Simulated-Annealing-Results*]
  → Save

- Scroll the Console output at the bottom of the GUI to get a detailed
  view

3   Stand Alone Execution [Fail Safe]

This is a pre compiled java project [classes] file that you can just run through
the terminal or the command line. You just have to compile the Main Class
to work in your computer.

- Open a **terminal or cmd**

- Navigate to [*path to project file*/projectallocationsystem/stand-alone/
  projectallocationsystem/]

- **For GUI** - Run Command [javac -d . UI.java] *compile the User
  Interface Main Class*

- **For Terminal or cmd Output** -
  Run Command [javac -d . ProjectAllocationSystem.java] *compile the
  Terminal Output Interface Main Class*

- **To Run GUI** - Run Command - [java projectallocationsystem/UI]
  Run the command for UI Program execution

- **For Terminal or cmd Report Output**
  - [java projectallocationsystem/ProjectAllocationSystem] *Run the com-
  mand for Terminal Report Output*

**Note : This is only if the NetBeans Cannot be opened
in the target machine**

Thank You!

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