

CS362-004

Final Project: Part-A

The final project is designed to check for your cumulative understanding.

Part-A: Due date **is Sunday, February 25th (02.25.2018)** at 23:59 pm

Note:

- Use the **URLValidatorCorrect** folder for **Part-A** and use the **URLValidatorInCorrect** folder for **Part-B**.
- Submit **one copy** per group to the following locations: Canvas (pdfs) and the GitHub class repository (code).
- Do not forget to write your group members in the pdf files!
- The code and documentation for the Apache Commons Validator is available in this link <http://commons.apache.org/proper/commons-validator/>
- The github account is available in this link <https://github.com/apache/commons-validator>

Preliminaries and Warm up

Get the latest files from the class repository by running

```
git remote add upstream "https://github.com/aburasa/CS362-004-W2018"
git checkout master          # make sure we're on the master branch
git fetch upstream           # pull any information about changes in upstream
git merge upstream/master -m "Sync" # merge new files
```

You should now have new files in /FinalProject/

Copy FinalProject folder into your projects/youonid/FinalProject/

The directory “/FinalProject/” contains 2 different folders **URLValidatorCorrect** and **URLValidatorInCorrect**. We will be using the **URLValidatorCorrect** folder for **Part-A** and **URLValidatorInCorrect** for **Part-B**.

Part-A : Review of Existing Test Case(s)

(75 points)

For Part-A, you will be provided a correctly working version of URL Validator. You need to answer the following questions:

- Explain testIsValid Function of UrlValidator test code. It is available under **URLValidatorCorrect** folder.
- Give how many total number of the URLs it is testing. Also, explain how it is building all the URLs.
- Give an example of valid URL being tested and an invalid URL being tested by testIsValid() method.
- UrlValidator code is a direct copy paste of apache commons URL validator code. The test file/code is also direct copy paste of apache commons test code. Do you think that a real world test (URL Validator's testIsValid() test in this case) is very different than the unit tests that we wrote (in terms of concepts & complexity)? Explain in few lines.

Team Work

(25 points)

- Write about how did you work in the team? How did you divide your work? How did you collaborate?
- **The contribution of each of your team members.**

Submission instructions ():

- **Canvas**
 - **ProjectPartA.pdf** (due date is Sunday, February 25th at 23:59 pm) **(100 Points)**
- **The class github repository**
 - No submission for Part-A

General Notes:

- only one submission for each group (i.e., one person needs to submit Part-A)
- Write your names and onids (all group members) in the Canvas comment and the pdf files.