CSE 480
Web Technology

CSE 480 – Web Technology

- Course Teacher
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  - Ulab Permanent Campus Room 318

- Counselling hours:
  - Sun & Tue – 11:00 am to 02:00 pm
  - Mon & Wed – 11:30 am to 1:00 pm
  - Thursday – 10:00 am to 4:00 pm

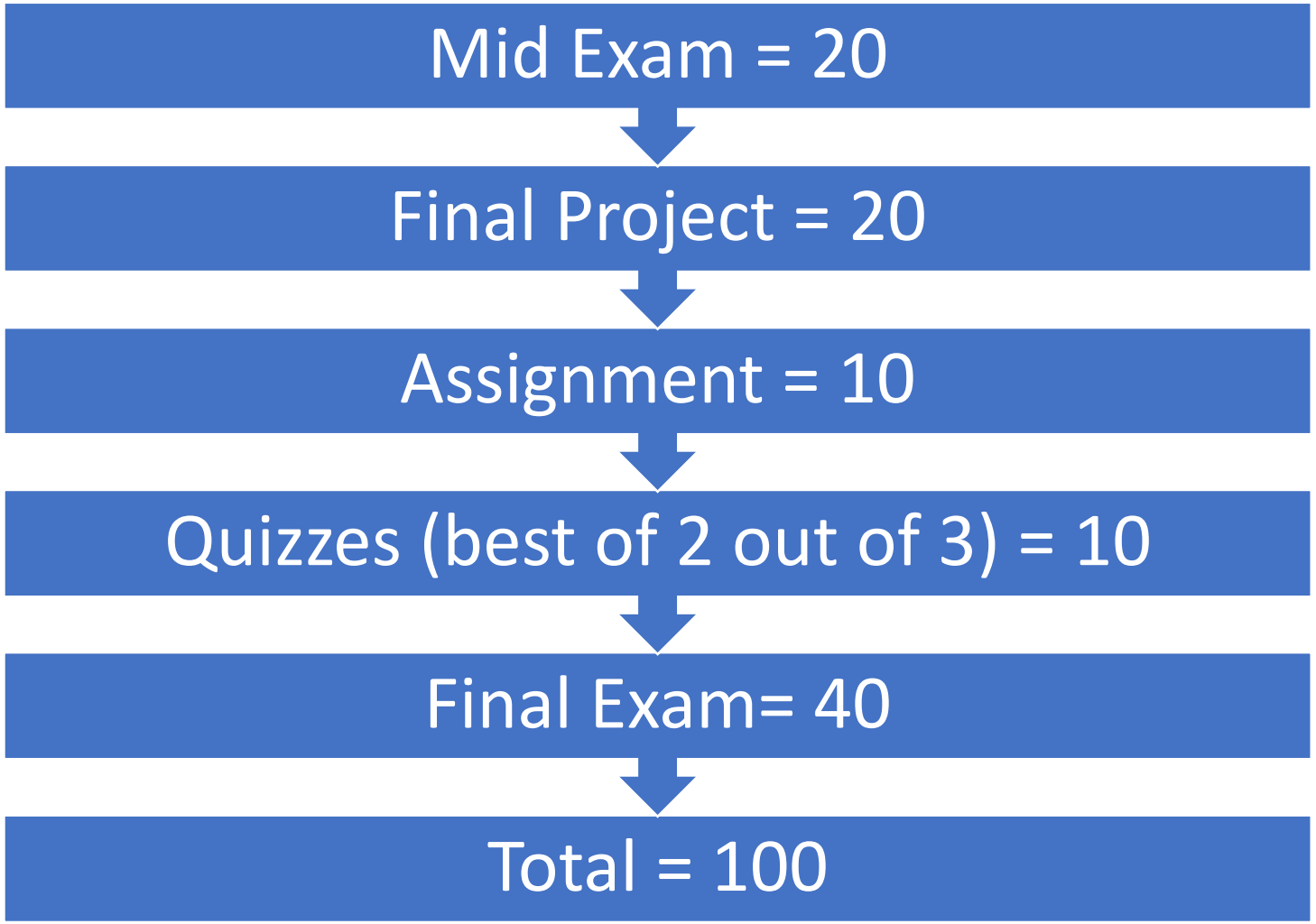
- Or fix an appointment (via email)
  - To discuss more complex topics

Course Outline

The tentative schedule is subject to changes based on the learning status

→Introduction to Web Technologies
→HTML 5, CSS3 with it's new components
→JavaScript, jQuery, AJAX
→Data transmission, formats and processes. XML and JSON
→Cyber Security and Secured Protocols

Assessment


Mid Exam = 20
Final Project = 20
Assignment = 10
Quizzes (best of 2 out of 3) = 10
Final Exam= 40
Total = 100

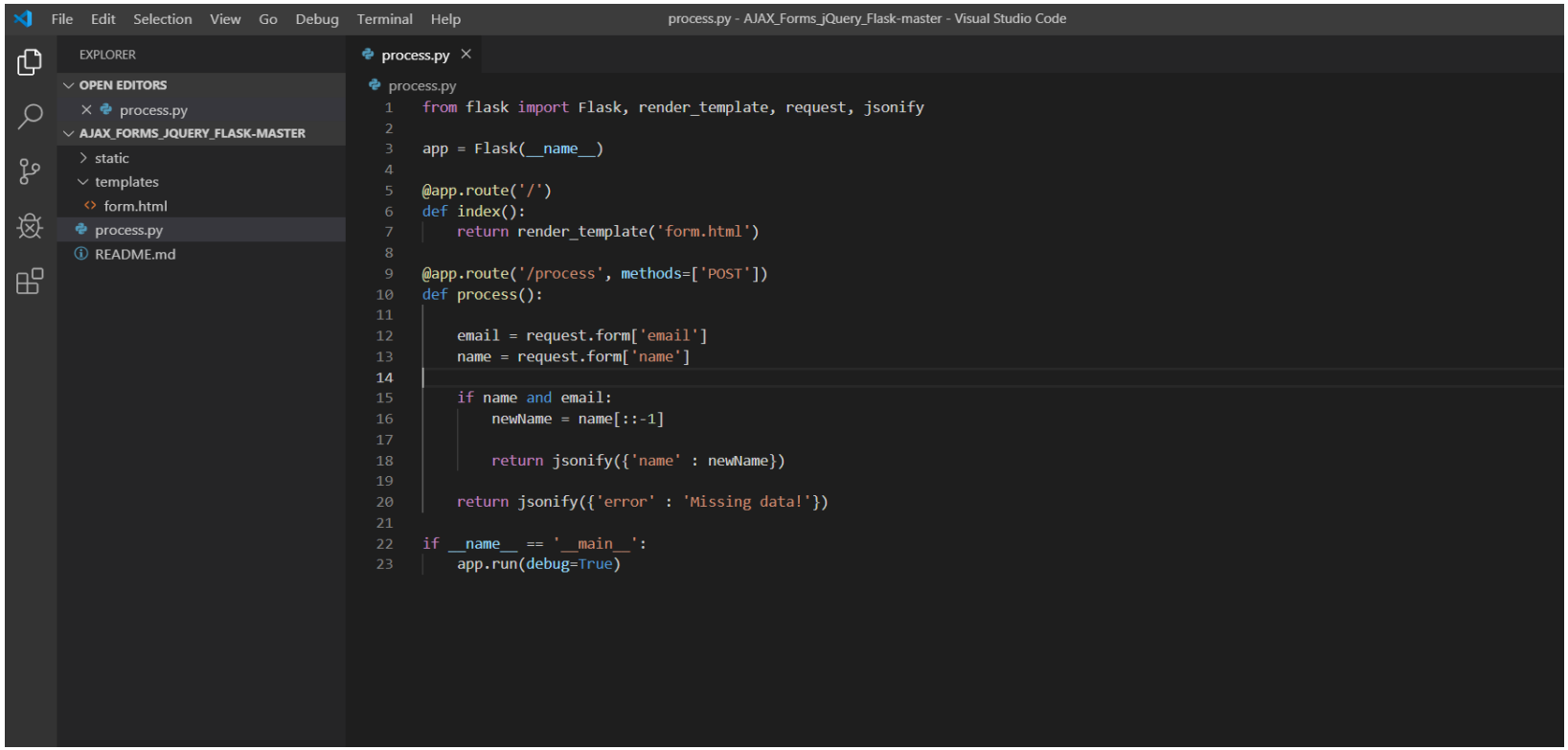
Course Policies and Procedures

- Failing to attend more than 5 classes will result in an automatic fail
- Students are advised to keep the cell phones in to silent mode
- Cheating and plagiarism are strictly prohibited
- There will be no makeup quiz
- ULAB regulations will be followed in conducting exams and evaluating answer scripts and grading

References

- Web Technology & Design By C. Xavier
- **Learning Web App Development** by Semmy Purewal
- Jump start CSS by Louis Lazaris
- Jump start HTML5 by Tiffany B.brown
- Jump start Javascript by Ara pehlivahian
- Flask Web Development – Developing web applications with python by Miguel Grinberg
- Compilation of web resources: https://frontendmasters.com/books/front-end-handbook/2019

Visual Studio Code or Sublime Text 3 or Any other tools



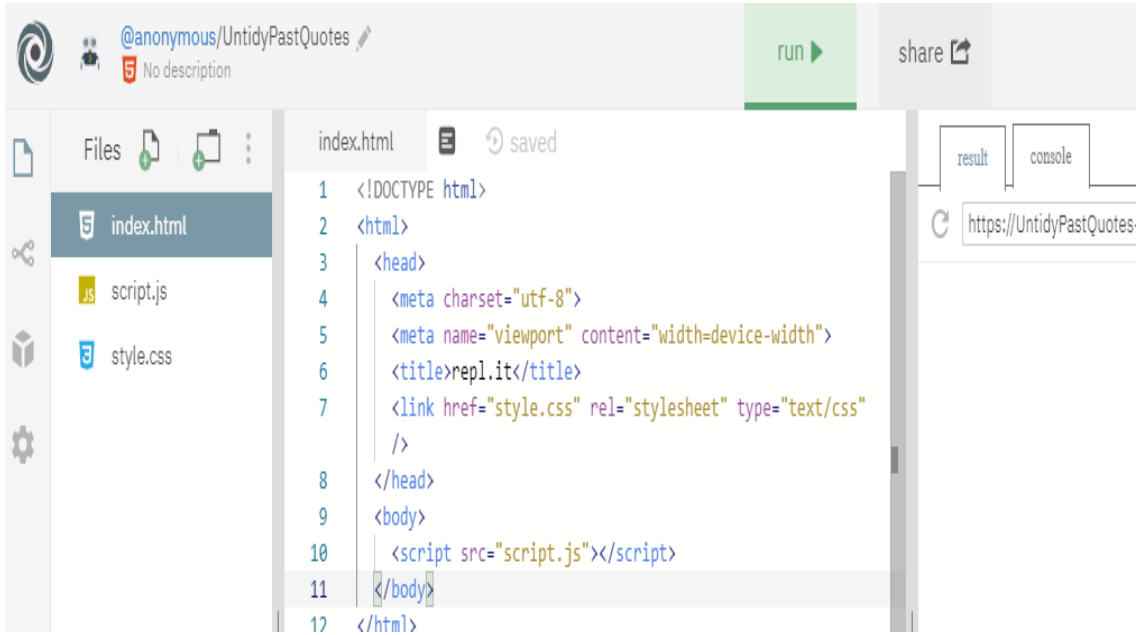
Online Code Editor

jdoodle

https://www.jdoodle.com/html-css-javascript-online-editor/

Repl

https://repl.it/



Sample Questions In Exams:

→Explain the meaning of the following CSS properties and give examples of the possible values they might have. Give an example rule that uses all of these properties.

a) margin
b) border
c) float
d) display

Solution:

a) Margin – defines the size of the margin which separates the content rectangle from the container- e.g. space
   Around a paragraph to the previous or next para or to a floating image to the left or right.

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Sample Questions In Exams:

Create a webpage and add 5 buttons to your webpage: red, yellow, green, black, and silver. Every time you click on one of these buttons the background should take the corresponding color. Write the corresponding HTML, CSS and JavaScript code. (5 marks)