

Website Design (35 points)

In groups, you will do a *sprint* for the website design project. The website you will be designing could be a new website, or re-design of an existing one.

The project will span across the last two lectures. **Each group will have to present twice, once on Day 1 (July 17) and once on Day 2 (July 24) during class hours.**

Day 1 – Sprint Planning

On Day 1, the students will first show their mock-up/description of the website they will be designing. Students can choose to show their mock-up work from *DG8003- Interaction Design*. However, there are no points associated with the mock-up, so if you do not have a mock-up, just provide bullet point descriptions of what you will be doing. You are to pick at least **7 pages (1 for each group member, if group with fewer members, adjust accordingly)** that you will be creating **from scratch** using HTML/CSS/JavaScript. You can use third-party images and content, but the HTML/CSS/JavaScript parts must be original. You can copy HTML/CSS snippets from other webpages, but make sure you understand them.

Along with the pages, you will be presenting at least **7 user story cards (1 for each group member, if group with fewer members, adjust accordingly)**. Please check lecture #9 to see how user story cards are created. You can draw storyboards to present your user stories and associated tasks if necessary. Each card should contain:

1. Written description of the user story;
2. confirmation: What tests should be carried out to confirm that the story has been implemented properly;
3. estimated hours to be spent on the story (for simplicity we are using *hours*, not *points*). Break it down into who will be implementing what part specifically. You do not have to spend the exact number of hours on the project; this is for scrum practice only. However, it is important you distribute the work equally among the group members. On Day 2, you will be asked questions on the specific parts you implemented.

Note: If your group size is smaller, the number of required pages and user story cards will be adjusted accordingly, please consult instructor for details.

Submission (Day 1)

Please upload your final presentation for Day 1 in .pptx or .pdf format on D2L before the start of class. Only one group member needs to submit.

Day 2 – Sprint Review (Demo!)

You will be presenting your finished website on Day 2. The presentation will be a live demonstration of the website with tests for the user stories from Day 1. For example, if the user

story is a login (example in lecture #10), you will show that all the aspects listed in *confirmation* have been implemented (error check, invalid password warning etc.). Note that you are not expected to create a real website, only front-end. So, you can hard-code your username, password etc. in your HTML/CSS/JavaScript code (this is just an example; your website may not have a login page).

Submission (Day 2)

Please upload your website on Github (Lecture 2), you can use an account belonging to any of the group members. **The demonstration must be from a Github link.** Additionally, create a .zip file containing all the relevant files from your website project and upload it on D2L before your presentation. Only one group member needs to submit. **Please post a link to the final Github as well.**

Presentation format

To respect the flexibility mandated by the agile principle, the presentations will not be timed. However, be reasonable; do not create a 30 mins long presentation!

There is no formal Q&A session for Day 1; anyone can ask questions during the presentations. Think of it as more of a discussion than presentation.

During the 2nd presentation, the TA or I might ask you to explain certain parts of the HTML/CSS/JS code to test your grasp of the technologies. For example, we may ask how you implemented certain parts of the website. We will ask questions on the tasks that were specifically assigned to you on Day 1.

Marking

User stories (10):

Description – 5: Description should be clear and adequate.

Confirmation Tests - 4: Confirmation tests should be clear and adequate, should cover all possible scenarios.

Estimated hours to be spent – 1

Implementation (20):

HTML + CSS -10: Adequate use of different HTML tags, **at least seven pages (adjust according to group size)**, at least one use of id selector and one use of class selector.

JavaScript -5: **At least 7 JavaScript event handlers (adjust according to group size)**

Aesthetics -5: Overall look and feel, responsive design, no broken links, demo through Github link.

Individual Contribution (5): Gauged based on oral exam during final presentation.