

Kick-off

Project Exam 1

Today

Topics

1. Brief
2. Project weeks/Delivery
3. Presentation

Brief

Project Exam 1

Goal

Build a microsite
for SpaceX or NASA

What is a microsite

A branded, self-contained site, with a single purpose and a limited number of pages.

The purpose can be promotional or editorial, and be may linked to a specific event or period of time.

A microsite is usually built as an addition to an existing brand website.



How does this apply?

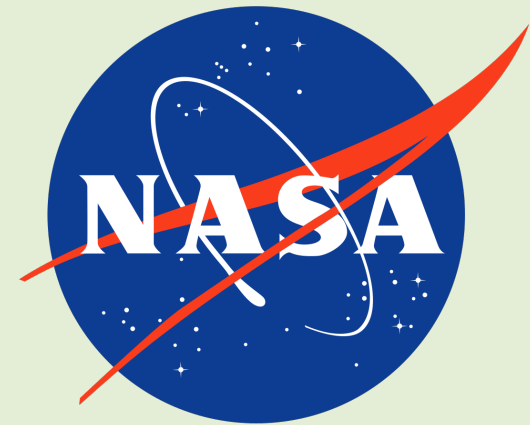
You are NOT recreating NASA or SpaceX's site.

The design shall be unique.

Your website will contain easy to access information about a specific topic.

Brief

- The site shall raise awareness about space program activity around the world.
- The shall shall appeal to a specific target audience.
- Provide links to more information, live feeds of launches etc.
- SpaceX/Nasa shall be dynamically loaded and displayed.
- Minimum of 4 pages.
- While a calendar is not mandatory, some kind of schedule or timeline information is recommended.
- A contact form.



Technical brief

- Must be responsive, and function well on all modern browsers.
- Use of JavaScript to fetch JSON data and generate HTML.
- Contact form must be validated with JavaScript.
- Conform to WCAG standards.
- Employ standard SEO techniques.



The brief

The brief is very open. This means you will need to come up with your own concise plan of what you are going to build.

This also allows you to be creative with what you need to deliver and show-off your development skills.

However, don't bite off more than you can chew! Plan for the fact that you might not be able to do what you have originally hoped.

Improve on old work

Make sure to improve upon what you have submitted in previous assignments.

You're level should be higher now than during the semester project, and the work will be marked to a higher-level.



Project weeks/Delivery

Project Exam 1

Week splits

Week 1

Functional specification,
project planning document,
Gantt chart.

Week 2

Target audience,
personae/storyboards,
wireframe/prototype.

Week 5

Report with link to microsite,
All files compressed to ZIP,
GitHub repository.

There are 3 required delivery points for the course.

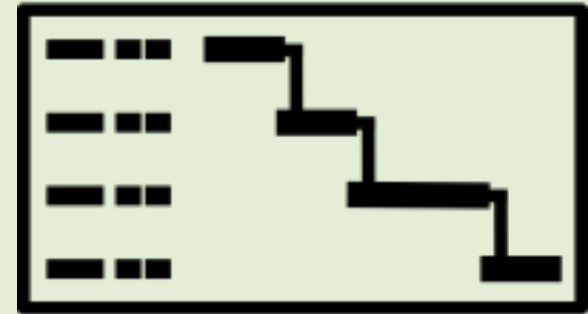
You must deliver and pass all three.

Week 1: planning/analysis

Week 1 is all about planning the rest of the project.

Once you know what you are doing you can focus on the development, with a clear head, in the later weeks.

Planning also helps you discover what things you don't know. This allows you to plan time into the project to learn/discover/create these things. Don't let the unexpected be a shock!



Project planning document/functional spec

This will be ONE document that contains:

- **Project scope**
Your description of what the project will cover, the things you need to think about and also what things aren't important to this project that would be important in other projects.
- **Use cases**
What are the reasons for people to use this site
- **Site map**
The page structure of the site including useful information about pages e.g. what things will be on each page, how/where pages will link together e.g. External links, call to action buttons
- **Themes, epics, features, user stories, tasks**

Themes, epics, features, user stories, tasks

- **Themes** are overall categories of things you will do
- **Epics** are big user stories that can be broken down
- **Features** are functionality that you will actually build
- **User stories** break features down, and focus on how/where users will use the feature.
- **Tasks** are the actual activities you will be doing to build the feature.

User story/Epic structure

"As **X**, I want to **Y**, so that **Z**"

To show

- **Who** the user is,
- **What** they want to do,
- And **Why** they want to do it.

Gantt chart

Take the tasks from your user stories, as well as any addition tasks and contigouncy time and put them into a Gantt chart.

A Gantt chart is a visual representation of:

- The tasks to be completed.
- How long they will take.
- Which tasks rely upon other tasks.

Your Gantt chart must make these things visually easy to understand



Week 1 delivery

On Moodle submit:

- Planning document/Functional spec
- Gantt chart

Both files must be submitted as PDFs



To pass this week you need to show you have done a weeks worth of work.

To do well in the final exam, thinking about other issues that can arise and planning for them will give yourself the best chance of a good grade.

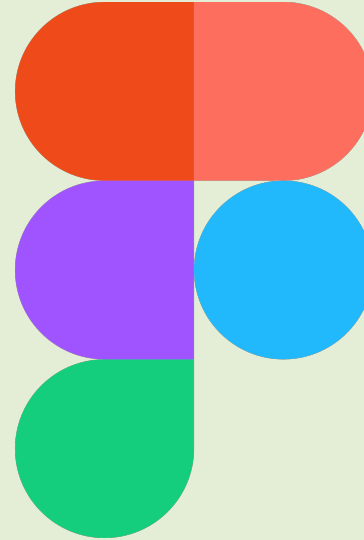
E.g. create your own task list that you can tick off like you were given for Portfolio and CMS.

Week 2: analysis/design

Week 2 is all about analyse the information you have gathered and designing a user experience based on your features/user stories that match your target audience.

You will submit:

- Target audience
- Personae/storyboards
- Annotated wireframes/sketches
- A prototype (Adobe XD/Figma) or designs



Week 3-5: development/testing/deployment

Build your site using all of the best practices you have been taught.

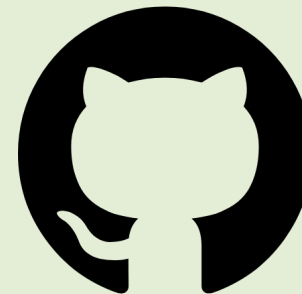
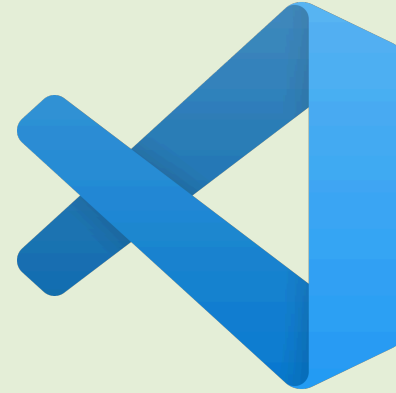
This is your chance to show off the CSS/JavaScript you have been practicing. All the tips for the Portfolio exam apply here.

Deploy to a sub-domain.

You will submit:

- Report with links to:
 - GitHub repository.
 - URL to the website.

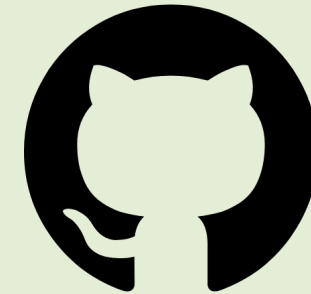
Must be submitted as a PDF



GitHub

We are using GitHub classrooms for your GitHub submission. What this changes for you is:

- Don't create your own repository
- Go to the link in the announcement to create the repository.
- This will generate you a private repository containing a simple structure.
- Cloning, committing and pushing is done in the same way.



Folder structure

- **projectfiles/**
Files that are not the website
e.g. documents, designs, design images
- **website/**
The website.
i.e. HTML, CSS, JS, images displayed on the site.

You don't need to touch the other files

Report

Write about development choices, issues that were encountered, critical evaluation etc.

Compile the development report together with any important parts from the previous weeks submissions.

The report will be marked on the useful information, **Do not waffle** just to get your word count up!

Word count: 500-1500 words

The word count does not include the appendices, references and abstract.



Presentation

We will **NOT** be doing presentation.

The progression plan mentions presentations, but due to the current situation these will not take place

