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# Project Exam 1

## Project Exam Overview

### Project Exam: Build a Microsite

Build a microsite for SpaceX or NASA. This should focus on space technology.

A *microsite* is a branded, self-contained site, usually on its own domain, with a single purpose and a limited number of pages. The purpose can be promotional or editorial, and it may be linked to a specific event or period of time. A microsite is usually built as an addition to an existing brand website.

### Brief

- Create a microsite for SpaceX/NASA to raise awareness about space program activity around the world. The site should appeal to a specific target audience and provide links to more information, live feeds of launches, and so forth.
- The site should include a minimum of (4) pages, be responsive, and function well on a variety of platforms.
- The site should employ Javascript/JSON API for dynamic data and construction and styling of HTML/CS. While a calendar is not mandatory, some kind of schedule or timeline information is recommended.
- An HTML5 contact form with Javascript validation is required.

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Project Exam: Build a  
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Deliverables/Milestones

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Evaluation Criteria

Marking Criteria

Recommended process

External resources

- The site should be well-designed and easy to use, and conform to WCAG Standards.

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- A detailed functional specification should be submitted.
- A Git repository should be set up specifically for this project
- Do not use Bootstrap or similar frameworks. We want to see your HTML, CSS, and JavaScript skills.

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## Deliverables/Milestones

- Week 1: Functional spec, 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

**The semester project should include the following:**

### HTML

- Semantic
- Minimum 4 pages

### CSS

- Responsive
- External stylesheet

### Javascript

- External .JS file(s)
- Usage of API/JSON
- Manipulation of DOM

## Report

A detailed, well-structured report, including references, should be delivered in PDF format. NB: other formats (Word, RTF, etc) will not be accepted. The file should be named using the standard date-assignment-name format. Failure to comply to both of these requirements will result in the assignment not being evaluated.

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Introduction/Interpretation of the assignment  
Planning, functional spec, Gantt chart

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- Target audience/research
- Graphic design: design principles, typography, color
- HTML/CSS: Semantics, structure
- SEO/Content Strategy/WCAG
- Interface Design: Personae/Scenario, Affordances, Navigation, Persuasion, Wireframing, Prototyping
- Javascript
- Implementation/rollout
- Conclusion

## Evaluation Criteria

- Design/IxD
- WCAG/SEO/Content Mgmt
- Technical
- Presentation/Report

## Marking Criteria

- Masters relevant tools, techniques and expressions for developing dynamic web solutions in accordance with guidelines for universal design
- Can apply vocational knowledge to practical problems within the field of study with focus on the development of dynamic web solutions
- Masters relevant tools, techniques and expressions for developing dynamic web solutions in accordance with guidelines for universal design
- Can study and document his/her own project and identify issues and what measures need to be implemented

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## Recommended process

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1. Planning – Functional spec, Gantt chart
2. Target audience/research/personae
3. Choose relevant API
4. Wireframe/ Prototype
5. Design
6. Programming/testing
7. Implementation/rollout

## External resources

### Space-related APIs

- <http://open-notify.org> (<http://open-notify.org/>)
- <https://api.nasa.gov/index.html> (<https://api.nasa.gov/index.html>)  
(Official NASA, requires registration key)
- <https://github.com/r-spacex/SpaceX-API/wiki>  
(<https://github.com/r-spacex/SpaceX-API/wiki>)(SpaceX, lots of different info)

### Website on launches & other info

- <https://spaceflightnow.com/launch-schedule/>  
(<https://spaceflightnow.com/launch-schedule/>)

### Media resources

- <http://www.spacex.com/media> (<http://www.spacex.com/media>)
- <https://www.instagram.com/nasa/>  
(<https://www.instagram.com/nasa/>)
- <https://nasasearch.nasa.gov/search/images?affiliate=nasa&query>  
(<https://nasasearch.nasa.gov/search/images?affiliate=nasa&query>)

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**NASA Media usage guidelines**[Back to Moodle](#)<https://www.noroff.no/student/fagskole/lms/course/view.php?id=363>[Lynda.com](#)

- <https://www.nasa.gov/multimedia/guidelines/index.html>  
(//www.lynda.com/portafolio/noroff)
- <https://www.nasa.gov/multimedia/guidelines/index.html>  
(https://www.nasa.gov/multimedia/guidelines/index.html)

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## Examples of microsites

- <http://dumpark.com/seas-of-plastic-infographic/>  
(http://dumpark.com/seas-of-plastic-infographic/)
- <http://www.nytimes.com/newsgraphics/2013/10/13/russia/index.html>  
(http://www.nytimes.com/newsgraphics/2013/10/13/russia/index.html)
- <https://blog.hubspot.com/marketing/ingenious-microsite-examples> (https://blog.hubspot.com/marketing/ingenious-microsite-examples)

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