

CMSC 126 - Web Engineering  
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## Sprint 2's Product Backlog and Sprint Backlog

**Figure 1. Product Backlog**

User Story	Acceptance Criteria	Priority
As a developer, I want to learn and implement Scrum framework so that the project will be organized and not overwhelming.	Given I have researched about Scrum, When I implement it to my project, Then I will have an organized and not overwhelming work process.	1
As a developer, I want to design a sitemap so that I will have an overview of what the website will look like.	Given I have researched about sitemaps, When I create one for my website, Then I will have an overview of what I want to develop.	2
As a developer, I want to design wireframes so that I can easily develop the frontend of my website and have an initial look of what I am developing.	Given I have researched about wireframes, When I create one for my website, Then I can have an initial look of what I want to develop.	3
As a developer, I want to make few changes on the website sitemap and wireframe, so that I can still submit a complete website (despite of the new instruction that only one page should be implemented) and at the same time, make sure that I meet the deadline.	Given I want to submit a complete website and meet the deadline, When I made few changes on the website sitemap and wireframe, Then I was able to design a new sitemap and wireframe that includes all contents in one page and lessen the time it takes to finish it.	4
As a developer, I want to research on frontend web development, specifically, HTML, CSS, and	Given I want to use HTML, CSS, and JavaScript for my frontend,	5

JavaScript, so that I can implement the frontend of my website wireframe.	When I research about it, Then I understand how to implement the frontend of my website wireframe.	
As a developer, I want to develop the frontend of my website, so that website visitors can interact with the website's content (localhost).	Given I want to develop the frontend of my website, When I use the web technologies that I researched, Then local website visitors can interact with my website.	6
As a developer, I want to make a video about the current sprint, so that I can document my progress.	Given I want to document my progress, When I make a video about how the current sprint, Then I obtain a video detailing my work.	7
As a developer, I want to research on backend web development, specifically, PHP and MySQL, so that I can implement the backend of my website.	Given I want to use PHP and MySQL for backend development, When I research about it, Then I understand how to implement the backend of my website.	8
(more user stories)	(more acceptance criteria)	...

**Figure 2. Sprint Backlog**

User Story	Acceptance Criteria
<b>MODIFICATIONS:</b> As a developer, I want to make few changes on the website sitemap and wireframe, so that I can still submit a complete website (despite of the new instruction that only one page should be implemented) and at the same time, make sure that I meet the deadline.	Given I want to submit a complete website and meet the deadline, When I made few changes on the website sitemap and wireframe, Then I was able to design a new sitemap and wireframe that includes all contents in one page and lessen the time it takes to finish it.
<b>RESEARCH:</b> As a developer, I want to research on frontend web development, specifically, HTML, CSS, and JavaScript, so that I can implement the frontend of my website wireframe.	Given I want to use HTML, CSS, and JavaScript for my frontend, When I research about it, Then I understand how to implement the frontend of my website wireframe.
<b>IMPLEMENTATION:</b> As a developer, I want to develop the frontend of my website, so that website visitors can interact with the website's content (localhost).	Given I want to develop the frontend of my website, When I use the web technologies that I researched, Then local website visitors can interact with my website.
<b>DOCUMENTATION:</b> As a developer, I want to make a video about the current sprint, so that I can document my progress.	Given I want to document my progress, When I make a video about the current sprint, Then I obtain a video detailing my work

**Figure 3. Sprint Backlog divided into smaller tasks.**

User Story	Tasks	Acceptance Criteria
<b>MODIFICATIONS:</b> As a developer, I want to make few changes on the website sitemap and wireframe, so that I can still submit a complete website (despite of the new instruction that only one page should be implemented) and at the same time, make sure that I meet the deadline.	<b>Changes on Sitemap</b> As a developer, I want to modify the original website sitemap, so that I can lessen the complexity of the website, hence, shorten the duration of development.	Given that I want to meet the deadline, When I modify the sitemap, Then the website became simpler and the time it takes to finish became shorter.
	<b>Changes on Wireframes</b> As a developer, I want to modify the original multiple-page wireframe, so that I can place all the webpages in one webpage – create a single-page wireframe.	Given that I want to submit a complete website, When I modify the wireframes, Then I was able to create a single-page website with all the initial contents.
<b>RESEARCH</b> As a developer, I want to research on frontend web development, specifically, HTML, CSS, and JavaScript, so that I can implement the frontend of my website wireframe.	<b>Research on HTML</b> As a developer, I want to research on HTML, so that I can understand how it works.	Given I want to use HTML on my website, When I researched about it, Then I understand how to use it.
	<b>Research on CSS</b> As a developer, I want to research on CSS, so that I can understand how it works.	Given I want to use CSS on my website, When I researched about it, Then I understand how to use it.
	<b>Research on JavaScript</b>	Given I want to use JavaScript on my website, When I researched about it,

	As a developer, I want to research on JavaScript, so that I can understand how it works.	Then I understand how to use it.
<b>IMPLEMENTATION</b> As a developer, I want to develop the frontend of my website, so that <b>local</b> website visitors can interact with the website's content (localhost).	<b>Navigation Bar</b> As a busy site visitor, I want to have a navigation bar, so that I can easily switch between different sections of the website.	Given I do not have much time to spare, When I use the navigation bar, Then I can easily switch between different sections of the website.
	<b>Homepage</b> As a site visitor, I want to see a comprehensive homepage, so that I can assess the relevance of its content to what I am looking for.	Given I want to know the relevance of the website's content to what I am looking for, When I open the website, Then I see a comprehensive homepage.
	<b>About</b> As a site visitor, I want to read an about section, so that I will know the owner of the website.	Given that I am curious, When I read the about section, Then I know the owner of the website.
	<b>Samples</b> As a site visitor, I want to see samples of the content the website offers first, so that I can assess if it can provide what I need.	Given that I want to make sure I'm on the right website, When I look on the provided samples, Then I gain an initial assessment of the website's contents.
	<b>Contacts</b> As an interested site visitor, I want to see the website owner's contact details and/or fill out a contact form, so that I can let the website owner know about my thoughts	Given that I am interested on the contents of the website, When I go to the contacts page, Then I can get the website owner's contact details and fill out a contact form.

	about the content and/or talk about a potential project.	
	<b>Aesthetics</b> As a new website owner, I want to give my website a specific look, so that my website will establish a brand.	Given that I am a new website owner, When I design my website based on a desired appeal, Then my website establishes a brand.
<b>DOCUMENTATION:</b> As a developer, I want to make a video about the current sprint, so that I can document my progress.	<b>Video of Sprint 2 progress</b> As a developer, I want to make a video about Sprint 2, so that I can document my progress.	Given I want to document my progress, When I make a video about Sprint 2, Then I obtain a video detailing my work.
	<b>Video of HTML implementation</b> As a developer, I want to make a video about my implementation of HTML, so that I can document my progress.	Given I want to document my progress, When I make a video about my implementation of HTML, Then I obtain a video detailing my work.
	<b>Video of CSS implementation</b> As a developer, I want to make a video about my implementation of CSS, so that I can document my progress.	Given I want to document my progress, When I make a video about my implementation of CSS, Then I obtain a video detailing my work.
	<b>Video of JavaScript implementation</b> As a developer, I want to make a video about my implementation of JavaScript, so that I can document my progress.	Given I want to document my progress, When I make a video about my implementation of JavaScript, Then I obtain a video detailing my work.

**Figure 4. Tasks including story points, value points and value for money.**

Tasks	Acceptance Criteria	Story Points	Value Points	Value for Money
<b>Research on HTML</b> As a developer, I want to research on HTML, so that I can understand how it works.	Given I want to use HTML on my website, When I researched about it, Then I understand how to use it.	55	89	1.618
<b>Research on CSS</b> As a developer, I want to research on CSS, so that I can understand how it works.	Given I want to use CSS on my website, When I researched about it, Then I understand how to use it.	55	89	1.618
<b>Research on JavaScript</b> As a developer, I want to research on JavaScript, so that I can understand how it works.	Given I want to use JavaScript on my website, When I researched about it, Then I understand how to use it.	55	89	1
<b>Changes on Sitemap</b> As a developer, I want to modify the original website sitemap, so that I can lessen the complexity of the website, hence, shorten the duration of development.	Given that I want to meet the deadline, When I modify the sitemap, Then the website became simpler and the time it takes to finish became shorter.	5	5	1
<b>Changes on Wireframes</b> As a developer, I want to modify the original multiple-page wireframe, so that I can place all	Given that I want to submit a complete website, When I modify the wireframes,	5	5	1



the webpages in one webpage – create a single-page wireframe.	Then I was able to create a single-page website with all the initial contents.			
<b>Navigation Bar</b> As a busy site visitor, I want to have a navigation bar, so that I can easily switch between different sections of the website.	Given I do not have much time to spare, When I use the navigation bar, Then I can easily switch between different sections of the website.	13	13	1
<b>Homepage</b> As a site visitor, I want to see a comprehensive homepage, so that I can assess the relevance of its content to what I am looking for.	Given I want to know the relevance of the website's content to what I am looking for, When I open the website, Then I see a comprehensive homepage.	13	13	1
<b>About</b> As a site visitor, I want to read an about section, so that I will know the owner of the website.	Given that I am curious, When I read the about section, Then I know the owner of the website.	13	13	1
<b>Samples</b> As a site visitor, I want to see samples of the content the website offers first, so that I can assess if it can provide what I need.	Given that I want to make sure I'm on the right website, When I look on the provided samples, Then I gain an initial assessment of the website's contents.	13	13	1
<b>Contacts*</b> As an interested site visitor, I want to see the website owner's	Given that I am interested on the contents of the website, When I go to the contacts page,	34	55	1.617

contact details and/or fill out a contact form, so that I can let the website owner know about my thoughts about the content and/or talk about a potential project.	Then I can get the website owner's contact details and fill out a contact form.			
<b>Aesthetics</b> As a new website owner, I want to give my website a specific look, so that my website will establish a brand.	Given that I am a new website owner, When I design my website based on a desired appeal, Then my website establishes a brand.	34	34	1
<b>Video of Sprint 2 progress</b> As a developer, I want to make a video about Sprint 2, so that I can document my progress.	Given I want to document my progress, When I make a video about Sprint 2, Then I obtain a video detailing my work.	21	21	1
<b>Video of HTML implementation</b> As a developer, I want to make a video about my implementation of HTML, so that I can document my progress.	Given I want to document my progress, When I make a video about my implementation of HTML, Then I obtain a video detailing my work.	21	21	1
<b>Video of CSS implementation</b> As a developer, I want to make a video about my implementation of CSS, so that I can document my progress.	Given I want to document my progress, When I make a video about my implementation of CSS,	21	21	1

	Then I obtain a video detailing my work.			
<b>Video of JavaScript implementation</b> As a developer, I want to make a video about my implementation of JavaScript, so that I can document my progress.	Given I want to document my progress, When I make a video about my implementation of JavaScript, Then I obtain a video detailing my work.	21	21	1

\*Placed after some user stories with lower BFTB for convenience.