

CMSC 126 - Web Engineering
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Product Backlog (complete) and Sprint 3 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 Sprint 2, so that I can document my progress.	Given I want to document my progress, When I made a video about Sprint 2, Then I obtain a video detailing my work.	7
As a developer, I want to research on backend web development, specifically on the MySQL and PHP language, so that I can implement the backend of my website.	Given that I want to use MySQL and PHP for my backend, When I research about it, Then I understand how to implement the backend of my website.	8
As a developer, I want to develop the backend of my website, so that I can receive and organize information from the website visitors.	Given that I want to develop the backend of my website, When I use the languages that I researched, Then I can receive and organize information from the website visitors.	9
As a developer, I want to make a video about Sprint 3, so that I can document my progress.	Given I want to document my progress, When I made a video about Sprint 3, Then I obtain a video detailing my work.	10

Figure 2. Sprint Backlog

User Story	Acceptance Criteria
RESEARCH: As a developer, I want to research on backend web development, specifically on the MySQL and PHP language, so that I can implement the backend of my website.	Given that I want to use MySQL and PHP for my backend, When I research about it, Then I understand how to implement the backend of my website.
IMPLEMENTATION: As a developer, I want to develop the backend of my website, so that I can receive and organize information from the website visitors.	Given that I want to develop the backend of my website, When I use the languages that I researched, Then I can receive and organize information from the website visitors.
DOCUMENTATION: As a developer, I want to make a video about Sprint 3, so that I can document my progress.	Given I want to document my progress, When I made a video about Sprint 3, Then I obtain a video detailing my work.

Figure 3. Sprint Backlog divided into smaller tasks.

User Story	Tasks	Acceptance Criteria
RESEARCH As a developer, I want to research on backend web development, specifically	Research on MySQL As a developer, I want to research on MySQL, so that I can understand how it works.	Given I want to use MySQL on my website's database, When I researched about it, Then I understand how to use it.

on the MySQL and PHP language, so that I can implement the backend of my website.	Research on PHP As a developer, I want to research on PHP, so that I can understand how it works.	Given I want to use PHP on my website, When I researched about it, Then I understand how to use it.
IMPLEMENTATION As a developer, I want to develop the backend of my website, so that I can receive and organize information from the website visitors.	Create a database using MySQL As a developer, I want to create a MySQL database, so that I can organize information from website visitors.	Given I want to organize information from web visitors, When I create a MySQL database, Then I obtain an organized storage of information from website visitors.
	Connect website to the database using PHP As a developer, I want to connect the website to the database, so that information from the website visitors can be stored and retrieved from the database.	Given I want to receive and store website visitors' information to a database, When I use PHP, Then I created a connection between the website and the database.
DOCUMENTATION: As a developer, I want to make a video about Sprint 3, so that I can document my progress.	Video of Sprint 3 progress As a developer, I want to make a video about Sprint 3, so that I can document my progress.	Given I want to document my progress, When I make a video about Sprint 3, Then I obtain a video detailing my work.
	Video of MySQL implementation As a developer, I want to make a video about my implementation of MySQL, so that I can document my progress.	Given I want to document my progress, When I make a video about my implementation of MySQL, Then I obtain a video detailing my work.
	Video of PHP implementation As a developer, I want to make a video about my implementation of PHP, so that I can document my progress.	Given I want to document my progress, When I make a video about my implementation of PHP, 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
Research on MySQL As a developer, I want to research on MySQL, so that I can understand how it works.	Given I want to use MySQL on my website's database, When I researched about it, Then I understand how to use it.	2	2	1
Research on PHP As a developer, I want to research on PHP, so that I can understand how it works.	Given I want to use PHP on my website, When I researched about it, Then I understand how to use it.	2	2	1
Create a database using MySQL* As a developer, I want to create a MySQL database, so that I can organize information from website visitors.	Given I want to organize information from web visitors, When I create a MySQL database, Then I obtain an organized storage of information from website visitors.	3	5	1.67
Connect website to the database using PHP As a developer, I want to connect the website to the database, so that information from the website visitors can be stored and retrieved from the database.	Given I want to receive and store website visitors' information to a database, When I use PHP, Then I created a connection between the website and the database.	5	5	1

Video of Sprint 3 progress As a developer, I want to make a video about Sprint 3, so that I can document my progress.	Given I want to document my progress, When I make a video about Sprint 3, Then I obtain a video detailing my work.	8	3	0.38
Video of MySQL implementation As a developer, I want to make a video about my implementation of MySQL, so that I can document my progress.	Given I want to document my progress, When I make a video about my implementation of MySQL, Then I obtain a video detailing my work.	8	3	0.38
Video of PHP implementation As a developer, I want to make a video about my implementation of PHP, so that I can document my progress.	Given I want to document my progress, When I make a video about my implementation of PHP, Then I obtain a video detailing my work.	8	3	0.38

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