

CMSC 126: Web Engineering Project

by Hannah Bella C. Arceño

PROJECT

Product: **Personal website with Blog page for Client**

Goal: Build web/online presence and share lessons or thoughts through blogs

Client: **Hannah Bella C. Arceño**

Request/s: Create a personal website that **tells people about myself**
Create **blog posts to share daily life, interests, reviews, reflections, etc.**
Let **people read my blogs**
Let **people search for a certain blog**
Let **people send reactions/review** (for a blog or the website)
Let **people connect with me through a contact form**
Let **people connect with me via social media accounts**

Scrum Master: **Hannah Bella C. Arceño**

Development Team:

Coding: **Hannah Bella C. Arceño**

Testing: **Hannah Bella C. Arceño**

Project/Product Backlog

#	User stories	Acceptance criteria / Definition of Done	User story points	Value Points	Value for money points
1	As a developer, I want to research on making a visual sitemap so that I know how to organize my ideas, how pages in a website are related, and where to implement project requirements.	- Given I review what I learned, when I remind myself about sitemap, then I know what a sitemap is and how to create one.	1	89	89
2	As a developer, I want to research about wireframe and how to create it so that I know how to create at least basic design structure for web pages.	- Given I review what I learned, when I think about wireframe, then I know what a wireframe is, the types (level of fidelity), and how to make one.	1	89	89
3	As a developer, I want to research on Scrum framework so that I will have a guide in doing the web projects efficiently and flexibly.	- Given I review what I learned, when I remind myself about Scrum, then I have knowledge of the concept as well as the events, artifacts, and roles in Scrum.	2	89	44.5
4	As a developer, I want to start planning the project requirements/product backlogs so that I can apply what I have learned about Scrum.	- Given I finished researching about Scrum, when I plan the project, then I include Scrum events, artifacts (e.g. project's product backlog), and roles.	2	89	44.5
5	As a developer, I want to make a video on Scrum so that I can reinforce the lessons and share what I learned.	- Given I'm done learning and applying Scrum to the web project, when I create the video, then I should include what I learned and how I applied the lessons to the project.	2	89	44.5

6	As a developer, I want to create a sitemap for the project idea so that I can apply what I have learned from research.	- Given I'm done learning about sitemap, when I go back to the project ideas, then I create a corresponding sitemap.	2	89	44.5
7	As a developer, I want to make a video on sitemap and the sitemap I did for the project idea so that I can reinforce the lessons and share what I learned.	- Given I'm done learning about sitemap and after creating one for the web project, when I create the video, then I should include what I learned and how I applied the lessons to the project.	2	89	44.5
8	As a developer, I want to create a wireframe for the web pages of the project idea so that I can apply what I have learned from research.	- Given I'm done learning about wireframe, when I review the project ideas and the sitemap, then I create wireframes for the web pages.	2	89	44.5
9	As a developer, I want to make a video on wireframing and show wireframes I have done so that I can reinforce the lessons and share what I learned.	- Given I'm done learning about wireframe and after creating wireframes for the web pages of the project, when I create the video, then I should include what I learned and how I applied the lessons to the project.	2	89	44.5
10	As a developer, I want to create PDF file documentations when learning Scrum, sitemap, and wireframe so that I can share what I learned.	- Given I'm done learning about Scrum, sitemap, and wireframe, when I'm done applying the lessons and creating the videos, then I should create PDF file documentations of my application of the lessons.	2	89	44.5
11	As a site visitor I want to have option to contact the site owner so that I can send a message, feedback, or suggestion.	- Given I visit the website, when I go to "Contact page", then I see social media links of the owner and the contact form. - Given I filled up the contact form, when I click "send" button, then the details in	2	34	17

		contact form should be sent to the database.			
12	As a website owner I want to introduce myself via my website so that I can build my web/online presence.	<ul style="list-style-type: none"> - Given I visit the website, when I navigate the homepage, then I see the website logo, the navigation bar and links, and read brief details about the owner (me). - Given I visit the "About" page, when I navigate the page, then I see more information about the owner (me). 	13	89	6.846153846
13	As a website owner, I want to administrate the blog posts, topics, and users (if possible) in my website so that I can facilitate/control my website.	<ul style="list-style-type: none"> - Given I want to sign into the website, when I fill in the "username" and "password" fields with valid credentials, then I get signed into the website and see the blog management/admin page where I can see all published blogs. - Given I want to sign into the website, when I fill in the "username" and "password" fields with invalid credentials, then access would not be granted. - Given I am signed in the website, I can edit, control the content of the blogs and users 	8	34	4.25

14	As a blog reader, I want to see all recent blogs in one page so that I am up to date with the posts.	<ul style="list-style-type: none"> - Given I visit the site, when I go to the "Blog" page then I should see the recent blogs published. - Given I visit the site, when I go to the "Blog" page then I should see the main topics featured for the blogs posted. 	8	34	4.25
15	As a blogger I want to sign-in to the website and write and publish my blog so that I can share lessons or thoughts via the website.	<ul style="list-style-type: none"> - Given I want to sign into the website, when I fill in the "username" and "password" fields with valid credentials, then I get signed into the website and see the blog management page where I can see all published blogs. - Given I want to sign into the website, when I fill in the "username" and "password" fields with invalid credentials, then access would not be granted. - Given I am in the blog management page, when I want to write/add a blog, then I should be able to click the "write" button, and I write my blog. - Given I finished writing the blog, when I click "Publish", then the blog should be added to the database and visible on the blog page. 	13	55	4.230769231

16	As a blogger I want to sign-in to the website and have the option to edit, update, and delete published blogs so that I can manage published blogs.	<ul style="list-style-type: none"> - Given I want to sign into the website, when I fill in the "username" and "password" fields with valid credentials, then I get signed into the website and see the blog management page where I can see all published blogs. - Given I want to sign into the website, when I fill in the "username" and "password" fields with invalid credentials, then access would not be granted. - Given I am in the blog management page, when I pick a blog and click the "edit" button, then I will be able to edit and update the blog. - Given I updated the blog, when I go to the blog page and find the blog, then the changes should be already reflected. - Given I am in the blog management page, when I pick a blog and click the "delete" button, then a message will pop out confirming the deletion and the blog is no longer visible/accessible in the website. 	21	55	2.619047619
17	As a blog reader, I want to search for a specific blog by searching for the title so that I can easily find and read it.	<ul style="list-style-type: none"> - Given I visit the "Blog" page, when I enter a query in search bar, then I should see blogs only related to my query. - Given I entered a query not related to the topics or the title, when I prompted the 	21	21	1

		search, then I should be notified that there is not related blog for the query.			
18	As a blog reader, I want to see the blogs related to my search query or the topic I chose so that I'll only see blogs that I find interesting.	<ul style="list-style-type: none"> - Given I visit the "Blog" page, when I click a topic name from topic menu, then I should see blogs only related to the topic. - Given I picked a topic, when I click on the topic name from menu, the blog page will show blogs only related to the topic. 	21	21	1
19	As a blog reader, I want to have the option to leave a comment under the blog so that I can give feedback to the or give my insights.	<ul style="list-style-type: none"> - Given I read a blog, when I finished reading the blog, I can leave a comment. 	34	21	0.617647059
20	As a blogger, I want to sign-in to the website, and have the option to add, edit, and delete blog topics so that I can manage the topics I usually write.	<ul style="list-style-type: none"> - Given I want to sign into the website, when I fill in the "username" and "password" fields with valid credentials, then I get signed into the website and see the blog management page where I can see all published blogs. - Given I want to sign into the website, when I fill in the "username" and "password" fields with invalid credentials, then access would not be granted. - Given I am in the blog topics management page, when I pick a topic and click the 	34	21	0.617647059

		<p>"edit" button, then I will be able to edit (rename) and update the topic.</p> <p>- Given I am in the blog topics management page, when I pick a topic and click the "delete" button, then the topic will be removed from the set of topics.</p>			
--	--	--	--	--	--

SPRINT 1

Goal: **Learn Scrum, Sitemap, & Wireframe**

Sprint Backlog

#	User stories	Tasks
1	As a developer, I want to research on Scrum framework so that I will have a guide in doing the web projects efficiently and flexibly.	<ul style="list-style-type: none">- Research on Agile methodology- Research on Scrum framework (roles, events & artifacts)
2	As a developer, I want to start planning the project requirements/product backlogs so that I can apply what I have learned about Scrum.	<ul style="list-style-type: none">- Build vision for project- Plan the project- Define the product requirements- Create preliminary product backlog- Identify roles of member(s)
3	As a developer, I want to make a video on Scrum so that I can reinforce the lessons and share what I learned.	<ul style="list-style-type: none">- Plan Scrum video content- Create visual aid- Create/record video
4	As a developer, I want to research on making a visual sitemap so that I know how to organize my ideas, how pages in a website are related, and where to implement project requirements.	<ul style="list-style-type: none">- Research on sitemap- Research on how to make a sitemap
5	As a developer, I want to create a sitemap for the project idea so that I can apply what I have learned from research.	<ul style="list-style-type: none">- Create sitemap for project

6	As a developer, I want to make a video on sitemap and the sitemap I did for the project idea so that I can reinforce the lessons and share what I learned.	<ul style="list-style-type: none"> - Plan Sitemap video content - Create visual aid - Create/record video
7	As a developer, I want to research about wireframe and how to create it so that I know how to create at least basic design structure for web pages.	<ul style="list-style-type: none"> - Research on wireframe - Research on how to create wireframes
8	As a developer, I want to create a wireframe for the web pages of the project idea so that I can apply what I have learned from research.	<ul style="list-style-type: none"> - Create simple wireframe for web pages of project
9	As a developer, I want to make a video on wireframing and show wireframe I have done so that I can reinforce the lessons and share what I learned.	<ul style="list-style-type: none"> - Plan Wireframe video content - Create visual aid - Create/record video
10	As a developer, I want to create PDF file documentations when learning Scrum, sitemap, and wireframe so that I can share what I learned.	<ul style="list-style-type: none"> - Create PDF files for application of Scrum, sitemap and wireframe as documentation

Increment

By the end of Sprint 1, the first deliverable product increment should include:

- Preliminary product backlog
- Video about Scrum and project application
- Application of Scrum research in project (Documentation) [PDF]
- Video about Sitemap and project application
- Application of Sitemap research in project (Documentation) [PDF]
- Video about Wireframe and project application
- Application of Wireframe research in project (Documentation) [PDF]

Sprint 1 videos and PDF files can be found here: [Web-Engineering-Project/Sprint 1 at main · yourstrulyhb/Web-Engineering-Project \(github.com\)](https://github.com/yourstrulyhb/Web-Engineering-Project)

Preliminary Product Backlog (for the web project only)

User stories	Acceptance criteria
As a site visitor I want to have option to contact the site owner so that I can send a message, feedback, or suggestion.	<ul style="list-style-type: none">- Given I visit the website, when I go to "Contact page", then I see social media links of the owner and the contact form.- Given I filled up the contact form, when I click "send" button, then the details in contact form should be sent to the database.
As a website owner I want to introduce myself via my website so that I can build my web/online presence.	<ul style="list-style-type: none">- Given I visit the website, when I navigate the homepage, then I see the website logo, the navigation bar and links, and read brief details about the owner (me).- Given I visit the "About" page, when I navigate the page, then I see more information about the owner (me).
As a website owner, I want to administrate the blog posts, topics, and users (if possible) in my website so that I can facilitate/control my website.	<ul style="list-style-type: none">- Given I want to sign into the website, when I fill in the "username" and "password" fields with valid credentials, then I get signed into the website and see the blog management/admin page where I can see all published blogs.- Given I want to sign into the website, when I fill in the "username" and "password" fields with invalid credentials, then access would not be granted.- Given I am signed in the website, I can edit, control the content of the blogs and users

<p>As a blog reader, I want to see all recent blogs in one page so that I am up to date with the posts.</p>	<ul style="list-style-type: none"> - Given I visit the site, when I go to the "Blog" page then I should see the recent blogs published. - Given I visit the site, when I go to the "Blog" page then I should see the main topics featured for the blogs posted.
<p>As a blogger I want to sign-in to the website and write and publish my blog so that I can share lessons or thoughts via the website.</p>	<ul style="list-style-type: none"> - Given I want to sign into the website, when I fill in the "username" and "password" fields with valid credentials, then I get signed into the website and see the blog management page where I can see all published blogs. - Given I want to sign into the website, when I fill in the "username" and "password" fields with invalid credentials, then access would not be granted. - Given I am in the blog management page, when I want to write/add a blog, then I should be able to click the "write" button, and I write my blog. - Given I finished writing the blog, when I click "Publish", then the blog should be added to the database and visible on the blog page.
<p>As a blogger I want to sign-in to the website and have the option to edit, update, and delete published blogs so that I can manage published blogs.</p>	<ul style="list-style-type: none"> - Given I want to sign into the website, when I fill in the "username" and "password" fields with valid credentials, then I get signed into the website and see the blog management page where I can see all published blogs. - Given I want to sign into the website, when I fill in the "username" and "password" fields with invalid credentials, then access would not be granted. - Given I am in the blog management page, when I pick a blog and

	<p>click the "edit" button, then I will be able to edit and update the blog.</p> <ul style="list-style-type: none"> - Given I updated the blog, when I go to the blog page and find the blog, then the changes should be already reflected. - Given I am in the blog management page, when I pick a blog and click the "delete" button, then a message will pop out confirming the deletion and the blog is no longer visible/accessible in the website.
As a blog reader, I want to search for a specific blog by searching for the title so that I can easily find and read it.	<ul style="list-style-type: none"> - Given I visit the "Blog" page, when I enter a query in search bar, then I should see blogs only related to my query. - Given I entered a query not related to the topics or the title, when I prompted the search, then I should be notified that there is not related blog for the query.
As a blog reader, I want to see the blogs related to my search query or the topic I chose so that I'll only see blogs that I find interesting.	<ul style="list-style-type: none"> - Given I visit the "Blog" page, when I click a topic name from topic menu, then I should see blogs only related to the topic. - Given I picked a topic, when I click on the topic name from menu, the blog page will show blogs only related to the topic.
As a blog reader, I want to have the option to leave a comment under the blog so that I can give feedback to the or give my insights.	<ul style="list-style-type: none"> - Given I read a blog, when I finished reading the blog, I can leave a comment.
As a blogger, I want to sign-in to the website, and have the option to add, edit, and delete blog topics so that I can manage the topics I usually write.	<ul style="list-style-type: none"> - Given I want to sign into the website, when I fill in the "username" and "password" fields with valid credentials, then I get signed into the website and see the blog management page where I can see all published blogs. - Given I want to sign into the website, when I fill in the "username" and "password" fields with invalid credentials, then access would not be granted.

- Given I am in the blog topics management page, when I pick a topic and click the "edit" button, then I will be able to edit (rename) and update the topic.

- Given I am in the blog topics management page, when I pick a topic and click the "delete" button, then the topic will be removed from the set of topics.