CMSC 126: Web Engineering Project
Sprint 3
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 <u>about myself</u>**

                    Create **blog posts** to **share <u>daily life, interests, reviews, reflections, etc.</u>**

                    Let **people <u>read my blogs</u>**

                    Let **people <u>search for a certain blog</u>**

                    Let **people <u>send reactions/review</u>** (for a blog or the website)

                    Let **people connect with me through a <u>contact form</u>**

                    Let **people connect with me via <u>social media accounts</u>**

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

Development Team:

        Coding: **Hannah Bella C. Arceño**

        Testing: **Hannah Bella C. Arceño**

Revised 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 developer, I want to research about basics of HTML so that I can create content of web pages.	- Given I review what I learned, when I remind myself about HTML, then I have knowledge of the basic elements and concept of HTML.	2	89	44.5
12	As a developer, I want to research about CSS so that I know how to style web pages.	- Given I review what I learned, when I remind myself about CSS, then I have knowledge of the basic elements and concept of CSS.	2	89	44.5
13	As a developer, I want to research on Javascript so that I will know how to create functions for a web page.	- 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
14	As a developer, I want to create CSS code of a web page for the project idea so that I can apply what I have learned.	- Given I'm done learning about CSS, when I go back to the project ideas, then I have an CSS code for the chosen web page.	3	89	29.66666667
15	As a developer, I want to create a Javascript code of a web page for the project idea so that I can apply what I have learned.	- Given I'm done learning about Javascript, when I go back to the project ideas, then I have a Javascript code for a web page.	3	89	29.66666667
16	As a developer, I want to create HTML code of a web page for the project idea so that I can apply what I have learned.	- Given I'm done learning about HTML, when I go back to the project ideas, then I have an HTML code for a web page.	3	89	29.66666667
17	As a developer, I want to make a video about my HTML code so that I can reinforce the lessons and share what I learned.	- Given I'm done learning about HTML and after creating HTML code for a web page of the project, when I create the video, then I should include what I learned and how I applied the lessons to the project.	1	21	21
18	As a developer, I want to make a video about my CSS code so that I can reinforce the lessons and share what I learned.	- Given I'm done learning about CSS and after creating CSS code for a web page of the project, when I create the video, then I should include what I learned and how I applied the lessons to the project.	1	21	21
19	As a developer, I want to make a video about my Javascript code so that I can reinforce the lessons and share what I learned.	- Given I'm done learning about Javascript and after creating Javascript code for a web page of the project, when I create the video, then I should include what I learned and how I applied the lessons to the project.	1	21	21

20	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 contact form should be sent to the database.	2	34	17
21	As a website owner I want to introduce myself via my website so that I can build my web/online presence.	- 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
22	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.	- 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
23	As a blog reader, I want to see all recent blogs in one page so that I am up to date with the posts.	- 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

24	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.	- 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
25	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.	- 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 wil pop out confirming the deletion and the blog is no longer visible/accessible in the website.	21	55	2.619047619

26	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.	- 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.	21	21	1
27	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.	- 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
28	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.	- Given I read a blog, when I finished reading the blog, I can leave a comment.	34	21	0.617647059
29	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.	- 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.	34	21	0.617647059
30	As a developer, I want to research about basics of PHP so that I know ow to create server-side scripts.	Given I review what I learned, when I remind myself about PHP, then I have knowledge of its syntax, basic elements and concept.	2	89	44.5

31	As a developer, I want to research about MySQL so that I know how to create databases and make queries.	- Given I review what I learned, when I remind myself about MySQL, then I have knowledge of its syntax, basic elements and concept.	2	89	44.5
32	As a developer, I want to create PHP code/s of a web page for the project idea so that I can apply what I have learned.	- Given I'm done learning about PHP, when I go back to the project ideas, then I have PHP code/s for the chosen web page.	3	89	29.66666667
33	As a developer, I want to create a database so that I have an organized storage of data needed for the web page.	- Given I'm done learning about MySQL, when I go back to the project ideas, then I have MySQL queries to read from and write to the database.	3	89	29.66666667
34	As a developer, I want to make a video about my PHP code so that I can reinforce the lessons and share what I learned.	- Given I'm done learning about PHP and after creating PHP code for a page of the project, when I create the video, then I should include what I learned and how I applied the lessons to the project.	1	21	21
35	As a developer, I want to make a video about the blog database so that I can reinforce the lessons and share what I learned.	- Given I'm done learning about MySQL and after creating database for the project, when I create the video, then I should include what I learned and how I applied the lessons to the project.	1	21	21

SPRINT 3

Goal: **Learn Php, MySQL and apply lessons to project**

Chosen web page: **Blog page of website**

Sprint Backlog

User stories	Acceptance criteria / Definition of Done	Tasks
As a developer, I want to research about basics of PHP so that I know ow to create server-side scripts.	- Given I review what I learned, when I remind myself about PHP, then I have knowledge of its syntax, basic elements and concept.	- Research on PHP
As a developer, I want to research about MySQL so that I know how to create databases and make queries.	- Given I review what I learned, when I remind myself about MySQL, then I have knowledge of its syntax, basic elements and concept.	- Research on MySQL

As a developer, I want to create PHP code/s of a web page for the project idea so that I can apply what I have learned.	- Given I'm done learning about PHP, when I go back to the project ideas, then I have PHP code/s for the chosen web page.	- Create PHP code/s based on wireframe of chosen web page
As a developer, I want to create a database so that I have an organized storage of data needed for the web page.	- Given I'm done learning about MySQL, when I go back to the project ideas, then I have MySQL queries to read from and write to the database.	- Create database queries using MySQL to get blog information from the database - Create database queries to insert data to database.
As a developer, I want to make a video about my PHP code so that I can reinforce the lessons and share what I learned.	- Given I'm done learning about PHP and after creating PHP code for a page of the project, when I create the video, then I should include what I learned and how I applied the lessons to the project.	- Record video: Show and explain PHP code and output
As a developer, I want to make a video about the blog database so that I can reinforce the lessons and share what I learned.	- Given I'm done learning about MySQL and after creating database for the project, when I create the video, then I should include what I learned and how I applied the lessons to the project.	- Record video: Show and describe database

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.	-Given I visit the site, when I go to the blog page, I see a structured and organized visual elements for a blog page. - 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. - Given I input a title or a search term in the search bar, then I should see blogs only related to the topic.	- Create blog page - Create database **Must have:** - Logo - Navigation bar - (working) search box - Topic menu to choose from - atleast 3 blog posts (corresponding to search term)
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 filled up the contact form, when I click "send" button, then the details in contact form should be sent to the database.	- Create table for feedbacks - Create contact form (working)

Increment

By the end of Sprint 3, the deliverable product increment should include:

- Functioning blog page with PHP codes
- Video about Php Code and output
- Database for blog
- Video about database
- Blog page with visual elements and functions