

## **CCAPDEV Term 2, AY 2024 – 2025**

### **Machine Project – Phase 3**

**Groupings:** At most 4 members in a group

**Percentage:** 30%

**Deliverables:**

Link to the deployed web application

**Submission guidelines:** Submit the link to AnimoSpace

### **SPECIFICATIONS**

Your task is to create a web application of your choice based on your selected feature specification.

### **Phase 3 – Deployment**

- For this phase, the group is required to act upon the feedback given in Phase 2.
- The web application must be completely functional, with all the minimum features implemented and running.
- The system must be deployed. Refer to the MCO Module in AnimoSpace for recommended hosting platforms.
- The project must follow the model-view-controller (MVC) architecture.
- The content manipulated in the views must be reflected in the database. All necessary CRUD operations for all features must be properly implemented.
- There should be at least 5 sample data in the database for each applicable feature. For example, in a forum web application, there should be at least 5 sample users, 5 sample posts, and 5 sample comments loaded from the database to the web application.
- User authentication must be properly implemented. At the minimum, a user session must persist until the user either logs out or closes the window.
- Password hashing must also be implemented. All passwords in the database must be hashed.
- Front-end and back-end form validation must be properly implemented for all forms in the web application.
- All NPM packages used for the project as well as third party libraries must be stated and indicated in the "About" page of the web application.

### **WORKING WITH GROUPMATES**

For this project, you are encouraged to work in groups of at most 4 members. Make sure that each member of the group has approximately the same amount of contribution for the project. Problems with groupmates must be discussed internally within the group, and if needed, with the lecturer.

### **DELIVERABLES**

Submit the link to the deployed web application via AnimoSpace, and include the link to the project's GitHub repository as a comment in the submission.

### **RUBRIC FOR GRADING**

<b>Criteria</b>	<b>Ratings</b>					<b>Points</b>
<b>Project Goals</b>  All features are properly implemented.	<b>EXCELLENT 20 pts</b>  The group completely fulfilled the project where 100% of the project features are implemented.	<b>VERY GOOD 15 pts</b>  The group mostly fulfilled the project where 75% of the project features are implemented.	<b>GOOD 10 pts</b>  The group somewhat fulfilled the project where 50% of the project features are implemented.	<b>DEVELOPING 5 pts</b>  The group only fulfilled a part of the project where 25% of the project features are implemented.	<b>NO MARKS 0 pt</b>  The group did not complete any of the features at all.	20 pts
<b>Deployment</b>  The web application is fully deployed to the web.	<b>EXCELLENT 10 pts</b>  The web application is fully deployed to the web without any issues.		<b>NO MARKS 0 pt</b>  The web application is not deployed. The web application is run locally.			10 pts
<b>Session Management (Authentication)</b>  Session management is properly implemented.	<b>EXCELLENT 10 pts</b>  Session management is properly implemented in the web application. The web application remembers logged-in users.		<b>NO MARKS 0 pt</b>  Session management is not implemented at all. The web application does not remember logged-in users.			10 pts

<b>Password Hashing</b>  Password hashing is properly implemented	<b>EXCELLENT</b> <b>10 pts</b>  Password hashing is properly implemented in the web application. All passwords are hashed in the database		<b>NO MARKS</b> <b>0 pt</b>  Password hashing is not implemented at all. Passwords are stored in plaintext in the database.		10 pts
<b>Form Validation</b>  Form validation is properly implemented.	<b>EXCELLENT</b> <b>10 pts</b>  Both front-end and back-end form validation are implemented in the web application. The web application properly informs the user of possible errors in the form field.	<b>GOOD</b> <b>5 pts</b>  At least one method of form validation is implemented in the web application. The web application informs the user of possible errors in the form field.		<b>NO MARKS</b> <b>0 pt</b>  Form validation is not implemented at all. The web application does not inform the user of possible errors in form fields.	10 pts
<b>Views</b>  All views fulfill the project features in the project specifications document.	<b>EXCELLENT</b> <b>5 pts</b>  All views necessary to access all features are complete and are navigable from the index web page.	<b>GOOD</b> <b>2 pts</b>  Not all views are navigable from within the site. The user has to access a page via its URL. Views are not in the proper folder.		<b>NO MARKS</b> <b>0 pt</b>  Views are not implemented at all.	5 pts

<b>Content Organization</b>  Information within the application is well-organized and relevant to the user.	<b>EXCELLENT</b> <b>5 pts</b>  Presentation of information, including access and manipulation, is clear and appropriate for the feature of the web application.	<b>GOOD</b> <b>2 pts</b>  Presentation of information, including access and manipulation, could be presented in a more appropriate way for the feature of the web application.	<b>NO MARKS</b> <b>0 pt</b>  Content could not be accessed or manipulated.	5 pts
<b>Navigation</b>  The web application is easy to navigate.	<b>EXCELLENT</b> <b>5 pts</b>  The web application is easy to navigate. Users are able to navigate through the web application easily.	<b>GOOD</b> <b>2 pts</b>  Users are sometimes confused on the navigation inside the web application.	<b>NO MARKS</b> <b>0 pt</b>  Users cannot navigate without the help of the developer.	5 pts
<b>Visual Design</b>  The view is aligned with the project features.	<b>EXCELLENT</b> <b>5 pts</b>  The view is aligned with all project features. Users are able to achieve a task easily.	<b>GOOD</b> <b>2 pts</b>  The view is aligned with some project features. Users are sometimes confused on the necessary steps to achieve a task.	<b>NO MARKS</b> <b>0 pt</b>  Users cannot achieve a task without the help of the developer.	5 pts

<b>Graphics</b>  Graphics are related to the purpose of the app.	<b>EXCELLENT</b> <b>5 pts</b>  Appropriate graphics are used when necessary. Icons are easy to understand. If it is difficult to understand, icons are accompanied by supporting texts.	<b>GOOD</b> <b>2 pts</b>  Graphics are related to the purpose of the app but are not of good quality.	<b>NO MARKS</b> <b>0 pt</b>  Graphics are not used, or only made the user distracted.	5 pts
<b>Q&amp;A</b>	<b>EXCELLENT</b> <b>10 pts</b>  The questions asked by the instructor were answered by the group satisfactorily.	<b>NO MARKS</b> <b>0 pt</b>  The questions asked by the instructor have not been / could not be answered by the group.		10 pts
<b>README</b>  The README file on the GitHub repository describes details on setting up and running the project.	<b>EXCELLENT</b> <b>5 pts</b>  The README file on the GitHub repository is easy to follow on setting up and running the project locally. The group also added extra notes and information about the project.	<b>GOOD</b> <b>2 pts</b>  The README file on the GitHub repository is somewhat hard to follow on setting up and running the project locally. Some steps are missing.	<b>NO MARKS</b> <b>0 pt</b>  The README file on the GitHub repository does not have any steps to follow on setting up and running the project locally. The GitHub repository does not have any README file.	5 pts
<b>Total points:</b>				100