**CCAPDEV Term 2, AY 2020 – 2021**

Machine Project – Phase 3

**Groupings:** At most 3 members in a group

**Deadline:** May 24, 2021 (Monday) 11:59 PM

**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 proposed features.

**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 proposed features implemented and running.
* The system must be deployed. Deploying to Heroku is recommended, but other options like DigitalOcean is allowed.
* 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.
* Session management must be properly implemented.
* All passwords 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 3 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.

**HONESTY POLICY AND INTELLECTUAL PROPERTY RIGHTS**

**Honesty policy applies.** Please take note that you are **NOT allowed to borrow and/or copy-and-paste** – in full or in part any existing related program code from the internet or other sources (such as printed materials like books, or source codes by other people that are not online). You should develop your own codes from scratch by yourselves, i.e., in cooperation with your groupmates.

According to the handbook (5.2.4.2), “faculty members have the right to demand the presentation of a student’s ID, to give a grade of 0.0, and to deny admission to class of any student caught cheating under Sec. 5.3.1.1 to Sec. 5.3.1.1.6. The student should immediately be informed of his/her grade and barred from further attending his/her classes.”

**RUBRIC FOR GRADING**

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| **Criteria** | **Ratings** | | | | | | | | **Points** |
| **Project Goals**  All proposed features are properly implemented. | **EXCELLENT**  **20 pts**  The group completely fulfilled the proposed project where 100% of the project features are implemented. | **VERY GOOD**  **15 pts**  The group mostly fulfilled the proposed project where 75% of the project features are implemented. | | **GOOD**  **10 pts**  The group somewhat fulfilled the proposed project where 50% of the project features are implemented. | | **DEVELOPING**  **5 pts**  The group only fulfilled a part of the proposed project where 25% of the project features are implemented. | | **NO MARKS**  **0 pt**  The group did not complete any of the proposed features at all. | 20 pts |
| **Deployment**  The web application is fully deployed to the web. | **EXCELLENT**  **10 pts**  The web application is fully deployed to the web without any issues. | | | | **NO MARKS**  **0 pt**  The web application is not deployed. The web application is run locally. | | | | 10 pts |
| **Session Management**  Session management is properly implemented. | **EXCELLENT**  **10 pts**  Session management is properly implemented in the web application. The web application remembers logged-in users. | | | | **NO MARKS**  **0 pt**  Session management is not implemented at all. The web application does not remember logged-in users. | | | | 10 pts |
| **Password Hashing**  Password hashing is properly implemented. | **EXCELLENT**  **10 pts**  Password hashing is properly implemented in the web application. All passwords are hashed in the database. | | | | **NO MARKS**  **0 pt**  Password hashing is not implemented at all. Passwords are stored in plaintext in the database. | | | | 10 pts |
| **Form Validation**  Form validation is properly implemented. | **EXCELLENT**  **10 pts**  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 form field. | | **GOOD**  **5 pts**  At least one method of form validation is implemented in the web application. The web application informs the user of possible errors in form field. | | | | **NO MARKS**  **0 pt**  Form validation is not implemented at all. The web application does not inform the user of possible errors in form fields. | | 10 pts |
| **Views**  All views fulfill the project features in the project proposal. | **EXCELLENT**  **5 pts**  All views necessary to access all features are complete and are navigable from the index web page. | | **GOOD**  **2 pts**  Not all views are navigable from within the site. The user has to access a page via its URL. Views are not in proper folder. | | | | **NO MARKS**  **0 pt**  Views are not implemented at all. | | 5 pts |
| **Content Organization**  Information within the application is well-organized and relevant to the user. | **EXCELLENT**  **5 pts**  Presentation of information, including access and manipulation, is clear and appropriate for the proposed feature of the web application. | | **GOOD**  **2 pts**  Presentation of information, including access and manipulation, could be presented in a more appropriate way for the proposed feature of the web application. | | | | **NO MARKS**  **0 pt**  Content could not be accessed or manipulated. | | 5 pts |
| **Navigation**  The web application is easy to navigate. | **EXCELLENT**  **5 pts**  The web application is easy to navigate. Users are able to navigate through the web application easily. | | **GOOD**  **2 pts**  Users are sometimes confused on the navigation inside the web application. | | | | **NO MARKS**  **0 pt**  Users cannot navigate without the help of the developer. | | 5 pts |
| **Visual Design**  The view is aligned with the project features. | **EXCELLENT**  **5 pts**  The view is aligned with all project features. Users are able to achieve a task easily. | | **GOOD**  **2 pts**  The view is aligned with some project features. Users are sometimes confused on the necessary steps to achieve a task. | | | | **NO MARKS**  **0 pt**  Users cannot achieve a task without the help of the developer. | | 5 pts |
| **Graphics**  Graphics are related to the purpose of the app. | **EXCELLENT**  **5 pts**  Appropriate graphics are used when necessary. Icons are easy to understand. If it is difficult to understand, icons are accompanied by supporting texts. | | **GOOD**  **2 pts**  Graphics are related to the purpose of the app but are not of good quality. | | | | **NO MARKS**  **0 pt**  Graphics are not used, or only made the user distracted. | | 5 pts |
| **README**  The README file on the GitHub repository describes details on setting up and running the project. | **EXCELLENT**  **5 pts**  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. | | **GOOD**  **2 pts**  The README file on the GitHub repository is somewhat hard to follow on setting up and running the project locally. Some steps are missing. | | | | **NO MARKS**  **0 pt**  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 |
| **Total points:** | | | | | | | | | 90 |