Due Nov 13, 2020 by 11:59pm   **Points** 10
Submitting a text entry box or a file upload   **Available** until Nov 14, 2020 at 8am

This assignment was locked Nov 14, 2020 at 8am.

MIS 5050/6050

Project Milestone 3

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Overview

In this milestone, you will submit a beta version of your project application. After submitting the required files, you will set up a time to meet with the instructor as a team to discuss your project and address any questions.

Milestone Requirements

Part 1: Application Beta Version

For this milestone, you will continue to build on the application you started in Milestone 2 and submit a "beta version" of your project application. The application does not need to have all functionality completely implemented at this point; however, at minimum, your application should include:

1. A fully functional database to support the application requirements. The database should be populated with enough data (real or test data) to allow the application to be fully tested and used. Note that the database structure itself is not explicitly evaluated in this project, but your database should be well designed according to principles you learned in the prerequisite database course. You will need to ensure that your database is available on a hosted service (e.g., MongoDB Atlas) so that it is accessible from your application.

2. A complete routing system that defines all application endpoints (routes) and implements all basic CRUD functionalities of the application. You are strongly encouraged to

implement the MVC application architecture with Models, Views, and Controllers as we have learned in class (see figure 9.2 in ***Get Programming with Node.js (https://library2.usu.edu/eval_dist/url856.php?url=https://learning.oreilly.com/library/view/get-programming-with/9781617294747/)***).

3. A complete set of views that use a standardized format (layout) and provide the necessary links, forms, buttons, and other html elements to enable the basic CRUD operations supported by the application. The content on the views should be mostly finalized and functional. If you used a template from a third-party source, all content (template images, placeholder text, placeholder links, etc.) should be either adapted for your application or removed if unneeded.

In addition to the above requirements you may also implement (or begin implementing) additional functionality, such as user authentication, integration with a third-party API, etc. However, this is not required for this milestone. **Before submitting, make sure to thoroughly test your application to ensure that all included code runs as expected.**

Part 2: Documentation and Milestone Meeting

As a part of this milestone, you will meet with the instructor as a team to review your progress and discuss any questions you might have. Complete the following:

1. Modify the *project_journal* that you created in the *docs* directory of your application for the previous milestone. **Add** the following content to this file:
    a. The milestone number and due date as a left-aligned heading. Under this heading, create two sub-sections as follows:
        i. Progress Since Last Milestone: Briefly describe what you accomplished on your project since the last milestone. At minimum, describe how you met the requirements of the current milestone, but feel free to describe any additional work you did as well. You can use bulleted/numbered lists and/or text in this section.

        ii. Problems Encountered/Questions: List any problems that you ran into **that you couldn't solve after an honest effort to figure out a solution**. Also list any questions you have about design alternatives, clarifications, etc.   I will pay special attention to this section and try to address all of your questions/problems either in class or during project milestone reviews. If you didn't have any problems/questions, write *none*.

2. Schedule a milestone review meeting as described in the submission instructions below.

Notes

1. The purpose of the milestones is **not** to force you to set your project in stone from the outset. Don't be concerned about the possibility of needing to modify what you created for a milestone in the future (e.g. add/delete views, functionality, etc.). Software development is, by nature, iterative. The objective of the milestone is to ensure that you are thinking seriously about the project and that you are making steady progress.

2. Demonstrate professionalism in everything you submit. Make sure you clearly format your code and other documents, and use code comments to clarify the functionality of your application. This will become more and more important as the semester progresses.

3. If you need help with any of the milestone requirements, email me **early**. I am much better able to assist if you seek help well before the due date.

4. Feel free to exceed these requirements if you wish, but make sure you include at minimum everything that is required in the milestone.

Submission

1. Zip the directory containing your application files and submit the zip file to this assignment by the due date. To save space, please remove the node_modules directory (be sure that your package.json file includes any needed application dependencies). Submit only **one zip file per team** (not per individual).

2. No later than the due date for this milestone, schedule a milestone review meeting with the instructor here: **https://doodle.com/poll/9prnx8icvn3gugfh?utm_source=poll&utm_medium=link (https://doodle.com/poll/9prnx8icvn3gugfh?utm_source=poll&utm_medium=link)** . Please choose a time when all team members can be present. Meetings will be held in the **Virtual Office Hours (https://usu-edu.zoom.us/j/93372412192?pwd=VUpGWktSUW9SR1I3Yyt0QUcrNk5GQT09#success)** zoom room.

3. At the scheduled time, attend the milestone review meeting. This meeting is required as a part of the milestone grade. Please be punctual.

Project Milestone Rubric

Criteria	Ratings				Pts
Required materials submitted and functional	**5 to >4.0 pts** **All**	**4 to >2.0 pts** **Most**	**2 to >0.0 pts** **Few**	**0 pts** **None**	5 pts
Active and punctual participation in milestone meeting	**5 to >4.0 pts** **Punctual and high participation**	**4 to >0.0 pts** **Late and/or lower participation**	**0 pts** **Not present/no participation**		5 pts
				Total Points: 10	