Interim Progress Report as of 11/29/2020

The Data Miners team has completed writing the user stories and deployed the code in their respective local systems. Based on the current understanding, design of the enhancements has started, along with some code changes and unit-testing.

Because the team is using a Windows 10 environment (and the current application has been tested on Linux and MacOS so far), we encountered unforeseen issues and the amount of time spent is expected to be more than estimated for most tasks. The table below illustrates all the planned tasks, the progress made thus far and the estimated remaining work (NOTE: WIP stands for Work In Progress). All the user stories are listed below the table on the following pages.

#	Task	Original Estimate (Hrs)	Time so far (Hrs)	Remaining Estimate (Hrs)	Progress Status
1	Proposal, Writing user stories	2	2	0	**Done**
2	Set up and build the code	6	15	0	**Done**
3	Understanding the existing system and design	6	5	15	*WIP*
4	Design of enhancements	8	1	10	*WIP*
5	Development, code reviews and unit-testing	20	1	30	*WIP*
6	Testing: Verification, Load testing	6		10	Not started
7	Documentation	8	1	10	*WIP*
8	Demonstration preparations	4		5	Not started
9	Presentation	4		5	Not started
Total		**64**	**25**	**85**	

The audience of the following user stories is MCS students at UIUC.

User stories

- Trim the entries in the 'Lectures' dropdown so that the list is more usable and easier to scan quickly.
- Add week number and lecture number to the current slide so that the user knows which week and lecture covers the current slide.
- Add week number and lecture number to the list of slides shown in the 'Related slides' section so that the user knows which week and lecture covers each slide listed.
- Add week number and lecture number to the list of slides shown in the 'Search Results' section so that the user knows which week and lecture covers each slide listed.
- Allow users to download all the slides of the current lecture (instead of only the current slide), so that they do not have to download each slide individually for the lecture. Build this incrementally as follows:
    - Download each page of the lecture as separate PDF files.
    - Allow users to specify a different lecture number (defaulting to the current lecture) so that they have more flexibility of which lecture's materials to download.
    - Allow users to specify whether all the pages of the lecture should be downloaded as a single PDF file.
- Allow users to download all the slides of the current week (instead of only the current slide), so that they do not have to download each slide individually for the week. Build this incrementally as follows:
    - Download each page of the week as separate PDF files.
    - Allow users to specify a different week number (defaulting to the current week) so that they have more flexibility of which week's materials to download.
    - Allow users to specify whether all the pages of the week should be downloaded as a single PDF file.
- Allow users to download the video of the current lecture
    - Allow users to specify a different lecture for downloading a video, so that they have more flexibility of which lecture's video file to download.
- Allow users to download the video of the current week as separate video files.
    - Allow users to specify a different week for downloading a video, so that they have more flexibility of which week's video files to download.
- Do not allow users to download the video files of the entire course as it may hog the bandwidth unnecessarily and this functionality can be achieved by downloading each week's video files separately if really required.
- Improve the Explanations by adding more context (such as week and lecture numbers) and improve the presentation (such as paragraphs) to so that the content is more usable and easier to understand for the audience.
- Make the slides from another course (CS 425: Distributed Systems) available to the users (functionally at par with CS 410) so that users can expand their learning to other courses

- As part of this story, add 'CS 425' in the 'Courses' dropdown list
- Add a home / landing page to the application that lists the courses available so that users are aware of which courses are made available with this functionality.
- Add a link back to the home / landing page from all pages so that users can navigate easily between different parts of the application.