Website Assignment - Understanding of the Requirements

I will be making a lecture note sharing system for 2 types of users: students and administrators. Great importance will be given to consistent code formatting rules, appropriate/smart usage of code blocks, support packages (RedBean, Twig, Bootstrap, HTML, jQuery etc.) and their features. The website must be accessible and responsive through a wide range of devices. Certain website requirements are necessary, however, once we are done with them we are encouraged to improve upon the system.

Student Login (Student View of the System)

Necessary Requirements

Students will register and login to the system (both register/login functionalities provided by the framework) and will be able to upload lecture notes and view notes uploaded by others. The notes have to be identifiable by a module code and a lecture name.

The system should also have some kind of gamification of choice implemented. I chose a 10 badge system rewarding the user with a simple badge upon task completion. Badges are hidden at the start and need to be discovered by interacting with the UI. I will also encourage user activity by allowing students to increase their in-app level by uploading lengthy good-quality notes. All of this will be displayed on a leader board – 'Hall of Fame'.

Notes should have a rating system (1-5 star in my case) to be able to gauge their quality. The users should also be able to edit/delete notes they have uploaded to the system.

Bonus Improvements

Upon the completion of necessary requirements, I decided to introduce certain features.

- Allow users to download uploaded notes.
- Allow users to sort/filter all notes of the system.
- Allow users to flag/report notes with a description. This information would be displayed on the admin page.
- Allow users to delete their accounts.
- Add 'FAQ', 'Source Code', 'About' pages.
- Profile section showing certain statistical data of your activity: number of badges collected, notes read, notes rated, uploaded etc.
- Add a search bar to allow users to search notes by tags, keywords.

Administrator Login (Admin View of the System)

Necessary Requirements

Staff are necessary to keep the system in check. They have overall control of the system and are capable of removing/restricting note access to certain people if needed.

Bonus Improvements

Upon the completion of necessary requirements, I decided to introduce certain features.

- Allow admins to sort the notes by 'flagged' status and remove them.
- See a transcript of people note reporting with reasoning.
- Add new module codes and lecture names to discourage clutter and duplication in the system. Also can remove/edit existing module codes/lecture names.
- See recent activity transcript in the system.
- Have certain stat data on the 'Profile' page.
- Search for notes by tags, keywords.