**Problem Statement:**

It is often daunting to go through the weekly lecture notes. There’s a lot of information packed into the documents, the lack of interaction not only makes the notes hard to consume, but it also makes it boring to go through as well.

**Suggested Solution:**

Create an interface that can:  
1. Summarize lecture notes

2. Generate Flash Cards using lecture notes

3. Generate quizzes using lecture notes

4. Pull fun facts and to know information based on the topic of the lecture slide.

5. Allow intercommunication between users in a forum. (Later addition)

6. Mini games?

**What will be needed?**

Log in/Sign up:

* A user database must be created and backed up to a cloud server. Files that are currently uploaded must be maintained unless user removes it.
* To sign up, a user must use a valid email address, password, name (First and last, middle name is optional), role. Once the user is registered successfully, a unique id is assigned.

Dashboard:

* Welcome section for current user. A list of current uploaded files must be shown as well as an option to add, select and delete files from the list.
* User will have option to summarize a lecture note, if this option is selected then the user will get the choice to select which lecture note they wish to summarize from the list.
* Another option will be to generate a list of flash card from a selected lecture.
* Based on lecture notes, we’ll embed an artificial intelligence tool to help autogenerate a quiz for user.
* An AI tool such as openAI can also be used to create an in site chatbot which can also pull interesting information on to topic and populate a section of the page once the option is selected.

**Requirements of the Webpage:**

* We’ll need the website to be responsive
* Persistence must be maintained
* Security must be upheld
* UI principles must be maintained.

**Theme of Design**

* We’ll use a space theme on the design