(1) 34.4 seconds

NEXT2 Good Afternoon. We are team Generated Pseudo Randomly and our goal is to create an online learning system which we hope will revolutionize personalized learning on an unprecedented scale. NEXT3

Our goal, SmartEd, came from an idea of the identification of issues in traditional, online learning platforms and to create a refined version of it with optimal efficacy, during the world's transition into a digital learning ecosystem. Especially with the COVID-19 pandemic wreaking havoc around the world, the need for such a system is increasing. NEXT4

(2) 24.5 seconds

We have so far developed many important features pertaining to the backend architecture of the system. As shown, the database schema outlines all the classes pertaining to the system. So far, we have created students and enrolled them into various courses on our platform which we have used to successfully generate statistics and in-turn have created Machine Learning models to predict the GPA and course satisfaction. This is one of the primary goals of SmartEd NEXT5

(3) 40 seconds

Our final product will contain a full-fledged online system suitable as a replacement to traditional Learning Management systems like Blackboard or moodle..

SmartEd will obtain metrics to detect when a student is at risk of failing a course and offer them advice on how to get back on track.

SmartEd will also be able to predict grades based on previous assessment criteria using Machine Learning.

Finally, it will be able to predict and evaluate course effectiveness through individual feedback by students to identify deficiencies in learning modules or workload.

All these features wrapped into one software service makes online learning a more enriching experience for the students and the educators alike. NEXT6

(4) 35.28 seconds

This is a snippet of what we want our personalised dashboards to look like, based on the Blackboard learning management system, we believe it offers a good starting point for what to base our interfaces upon. As you can see, unlike Blackboard, there are values which signify the current grade and course satisfaction for that student, as well as some other nice-to-haves which we believe will improve student satisfaction while learning.

Now, I'll pass you off to Isaiah. NEXT7

<Isaiah START>

5. Justification for the features you chose to develop 40 seconds

The original ethos of 'SmartEd' that was proposed, is heavily geared towards giving users the data that they need to do a better job at learning/teaching respectively. Our team incorporated features relevant to this such as:

- Student goal setting (e.g. I want to get a 6, I want to attend 80% of classes, etc) SmartEd will be able to track these metrics on behalf of the student and inform them accordingly. This ties in with one of the core goals of SmartEd, giving the student more data to make decisions.
- Built in virtual exam proctoring. Having discussed this, our team's goal is to create a platform so welcoming to students that come examination time, students are comfortable being proctored on our platform. This feature ties in with SmartEd's goals of empowering students to succeed.

NEXT8

6. What you have reused and which sources you used as a foundation to build upon (IS) 24.25 seconds

Our team has comprehensively studied other learning management systems in order to see how those platforms achieve goals similar to those of SmartEd. For example, our team believes that BlackBoard does a very good job at making material accessible to students (provided they are correctly set up.) We have decided to use a system similar to this in order to base SmartEd around. Furthermore, SmartEd's original proposal gives good insight into how certain metrics should be calculated and delivered to users. NEXT9

7. What are your assumptions (IS) 27 seconds

The continued development of SmartEd is contingent on a few assumptions. A few of these assumptions are:

Resource assumptions:
- We are making the assumption that we will continue to have access to our team throughout the project build phase.

Schedule-Based assumptions:
- We assume that any 'roadblocks' that are encountered along the way are able to be resolved quickly.

Project Scope assumptions:
- We make the assumption that the scope of the project will not change significantly throughout the build process.

NEXT10

8. How your team is tracking against your work plan (IS) 24 seconds
Our team is well out of the planning phase and currently deep into the building of SmartEd. To date, we have completed a large portion of the backend system of SmartEd such as data analysis to provide users with useful metrics and feedback.

We estimate that we are approximately one week ahead of schedule as set out by our work plan, this is due to the devotion of our team members and willingness to complete the tasks assigned to them. Now, i'll hand you over to Runxing **NEXT11**

<Runxing START>

9. What changes you have had to made relative to your initial work plan, why and how these changes have impacted your work plan 38 seconds
SmartEd was originally proposed as an extension to systems like BlackBoard. However, our team discovered that this would be difficult because most platforms, such as BlackBoard, are closed source. This led our team to consider a few alternatives. Firstly, we had the idea of dropping support for BlackBoard, and focusing only on Moodle instead. However, we thought that this change would limit the reach of our project. Finally, with the help of our tutor, we decided to create our own learning system. One where we could implement what we like, taking great features from other platforms like BlackBoard and Moodle, and dropping what we didn't like.

Because this change was identified early, there was little impact on our work plan. **NEXT12**

10. What your team will be doing over the remaining weeks to achieve your project build goals 15 seconds
Although we've made great progress so far. Our team still has work to be done relating to the UI of SmartEd. As a team, we are happy with the position that we are in with SmartEd. And we can't wait to show all of you our finished product. **NEXT13** I'd now like to open up for questions.