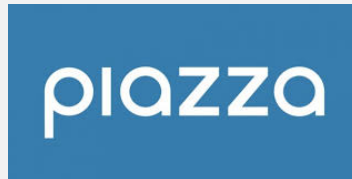


Group 20

RadiCalc

Alan Vey, Lu Ningyuan, Crystal Pang, Naomi Bassett,
Octavian Tuchila, Taehyun Lee

Motivation - Existing Platforms



Motivation

- Education as a discussion



Main Features

- User proficiencies
 - Tests
 - Debates
-

Quaestio-it

- Project by Professor Francesca Toni and PhD student Valentinos Evripidou
 - ‘A social intelligent debating platform’
 - Analyses social discussion
 - Quantifies quality of debate
-

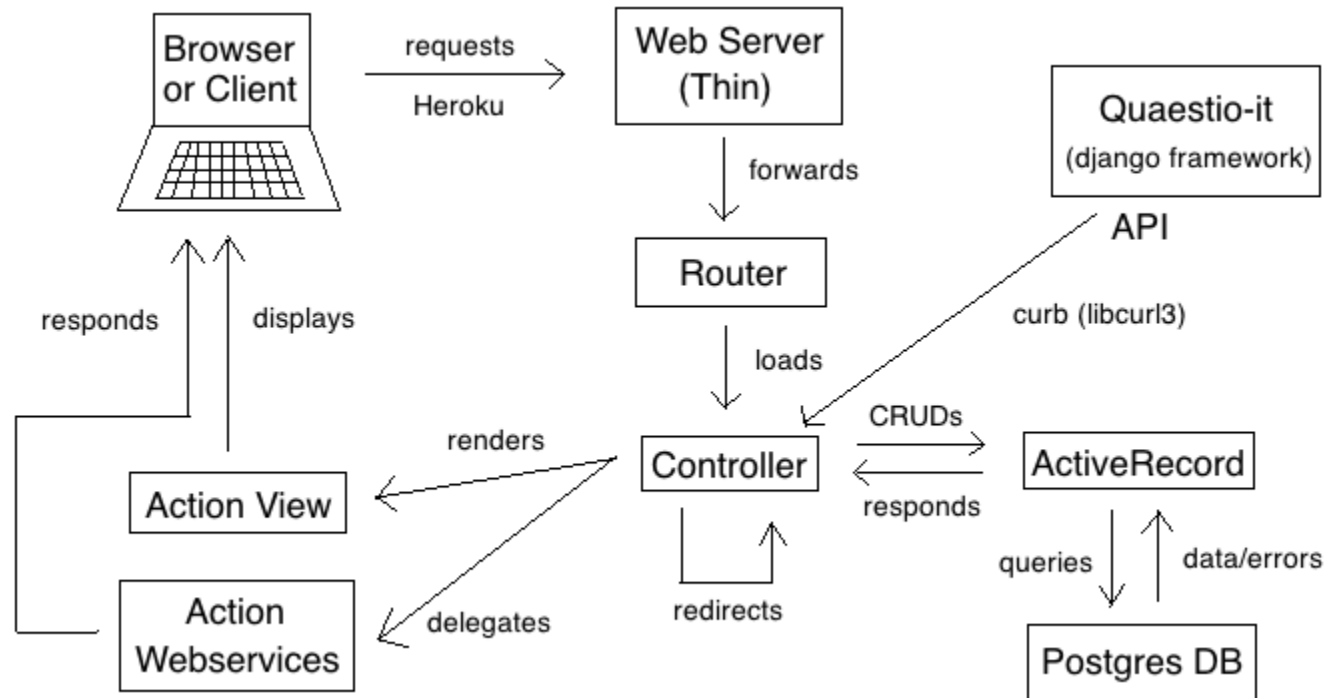
Quaestio-it: How we use it

- Core component of RadiCalc
 - We make use of Quaestio-it by:
 - Submitting various categories of questions and answers
 - Diagrammatically displaying the debate
 - Calculating user proficiency from provided general statistics
-

Demonstration

- Topic Page
 - Question feed
 - Tests
 - User proficiency
 - User Profile
 - User proficiency
 - Achievement badges
-

System Architecture



Implementation - known



- Closure tree
- Authority
- Rolify
- Capybara
- Factory Girl
- Curb
- Carrierwave

Implementation - new



Highcharts JS

quaesti@it



heroku



amazon
web services™

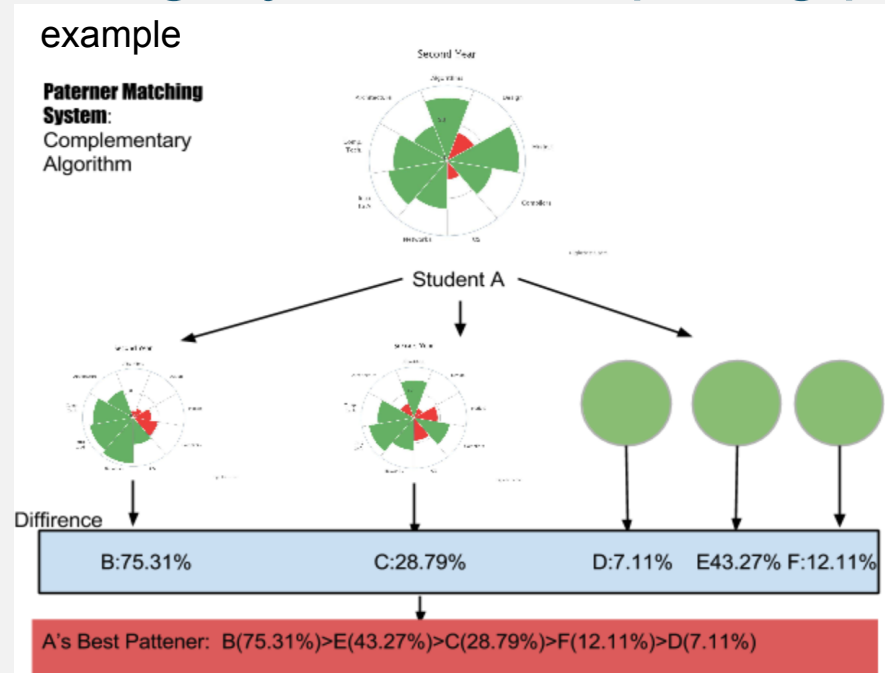
S3

Technical Challenges

- Changing front end breaks tests
 - Connecting to Quaestio-it
 - Authentication with DoC server
-

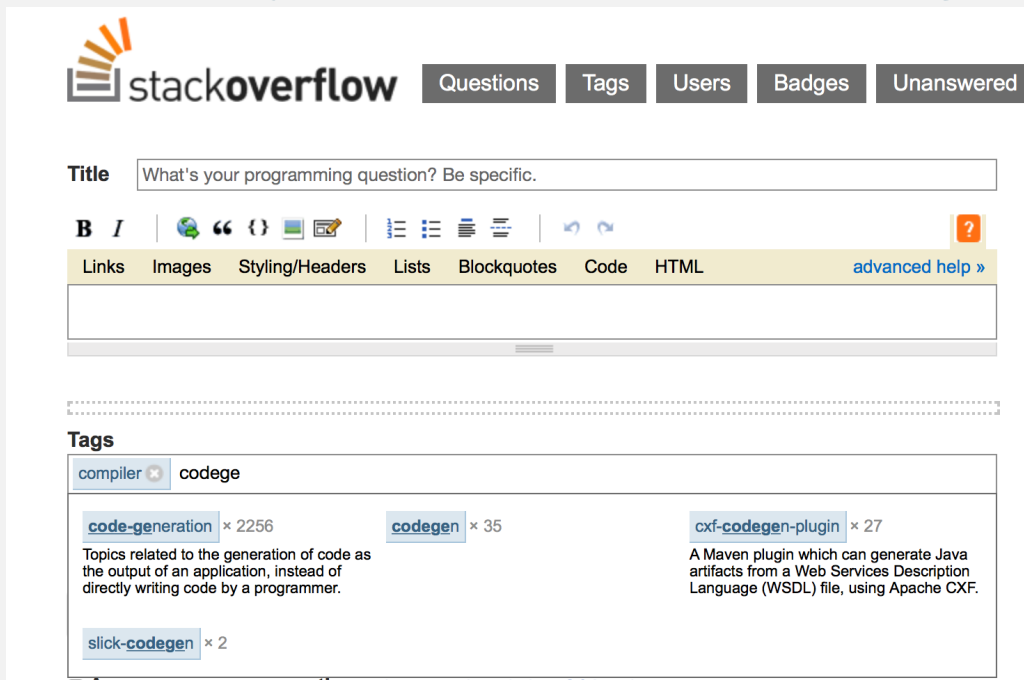
Future Extensions

- Partner Matching System: Comparing proficiency graphs





Future Extensions

- Stackoverflow style question publishing



The image shows a screenshot of the Stack Overflow question creation interface. At the top is the Stack Overflow logo and navigation links: Questions, Tags, Users, Badges, and Unanswered. Below this is a text input field for the title with the placeholder text "What's your programming question? Be specific.". Under the title field is a rich text editor toolbar with icons for bold, italic, link, unlink, quote, code, image, video, list, and table. Below the toolbar is a horizontal menu with tabs: Links, Images, Styling/Headers, Lists, Blockquotes, Code, and HTML. The "Code" tab is currently selected. Below the tabs is a large text area for the question body. At the bottom of the form is a "Tags" section. It includes a search bar with the text "compiler" and a "codege" tag. Below the search bar are three tag suggestions: "code-generation" (2256 questions), "codegen" (35 questions), and "cxf-codegen-plugin" (27 questions). Each suggestion includes a brief description of the tag's purpose.

Title

B I  

Links **Images** **Styling/Headers** **Lists** **Blockquotes** **Code** **HTML** [advanced help »](#)

Tags

code-generation × 2256 **codegen** × 35 **cxf-codegen-plugin** × 27

Topics related to the generation of code as the output of an application, instead of directly writing code by a programmer.

A Maven plugin which can generate Java artifacts from a Web Services Description Language (WSDL) file, using Apache CXF.

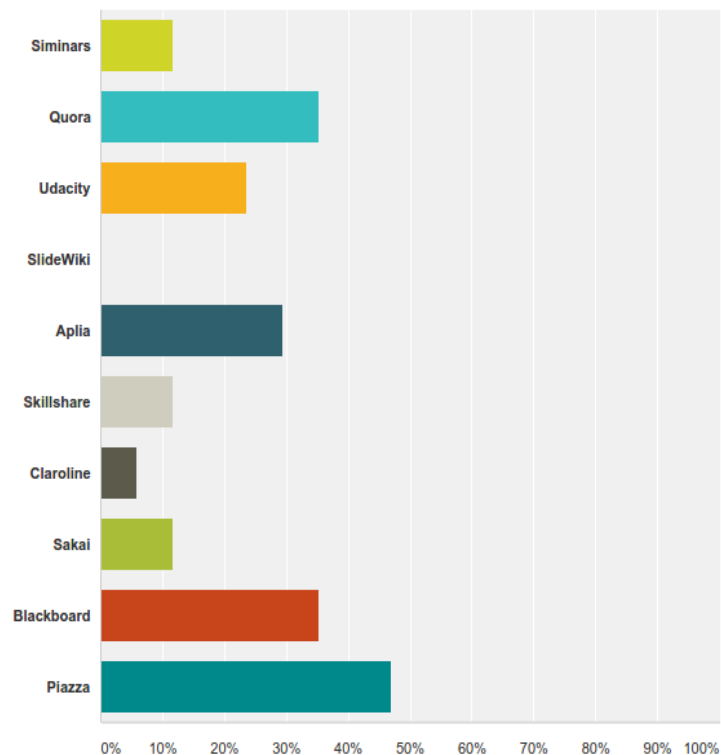
slick-codegen × 2

Conclusion

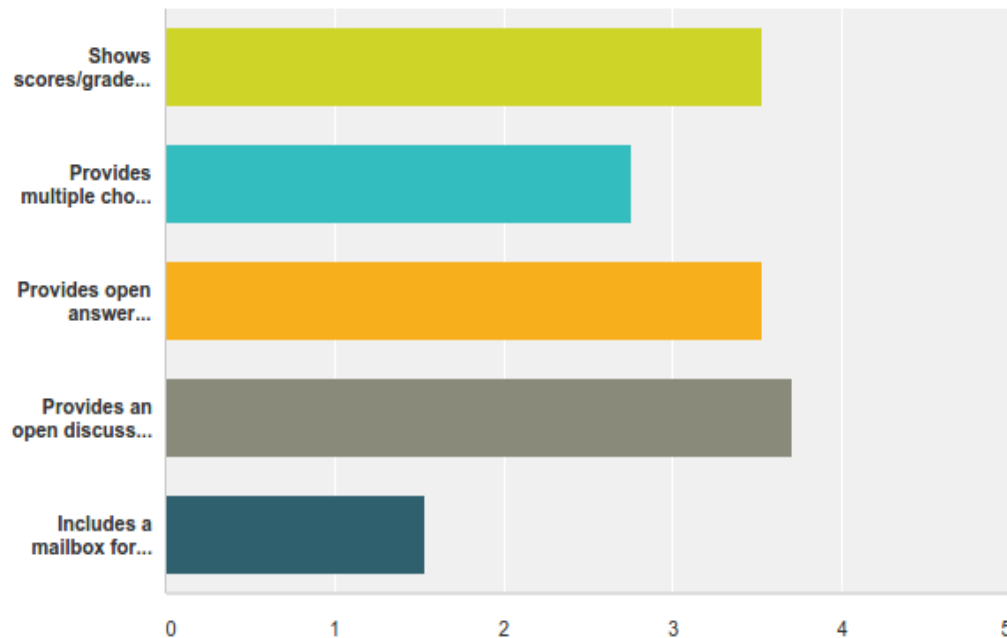
- What We Would Do Differently
 - More Kanban activity
 - Gather more feedback
 - Improve layout and navigation
 - Achievements
 - Client Satisfaction
-

Questions?

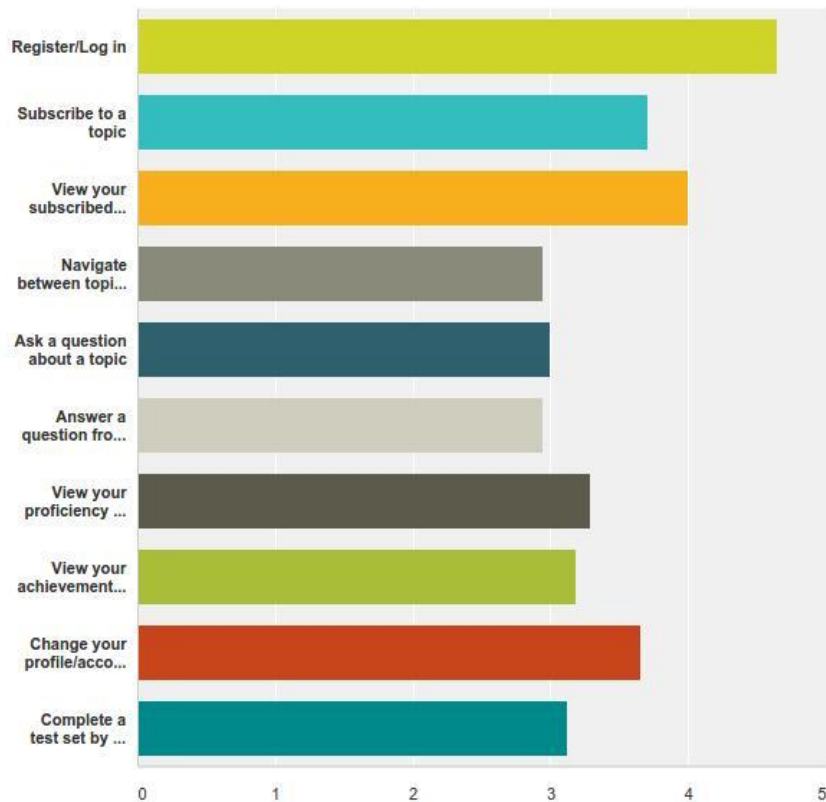
Please select which E-Learning Platforms you currently use



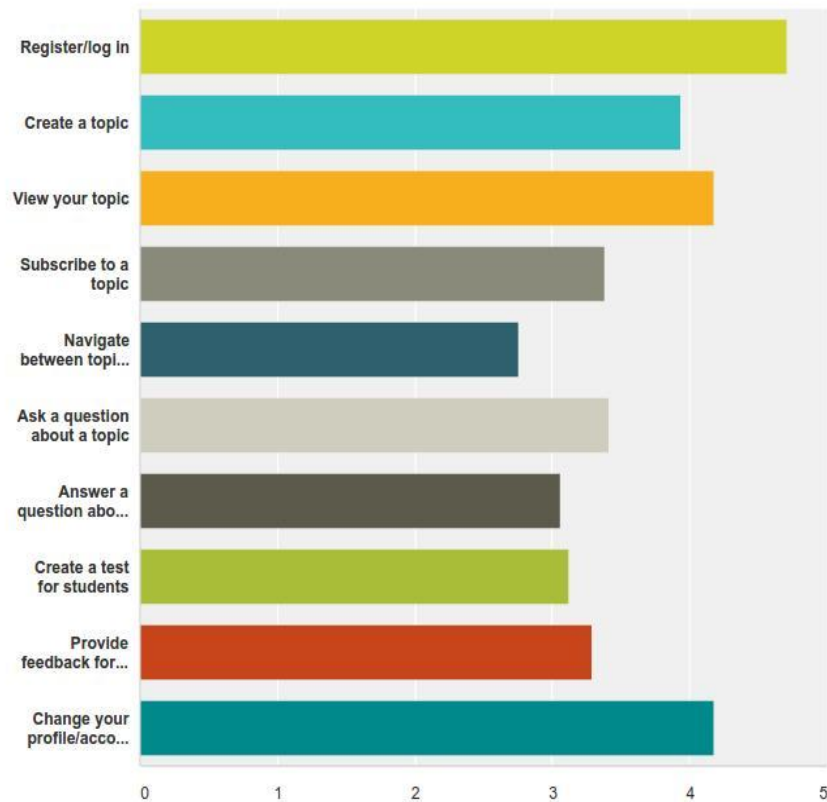
How useful/important would it be to you for an E-Learning platform to have the following



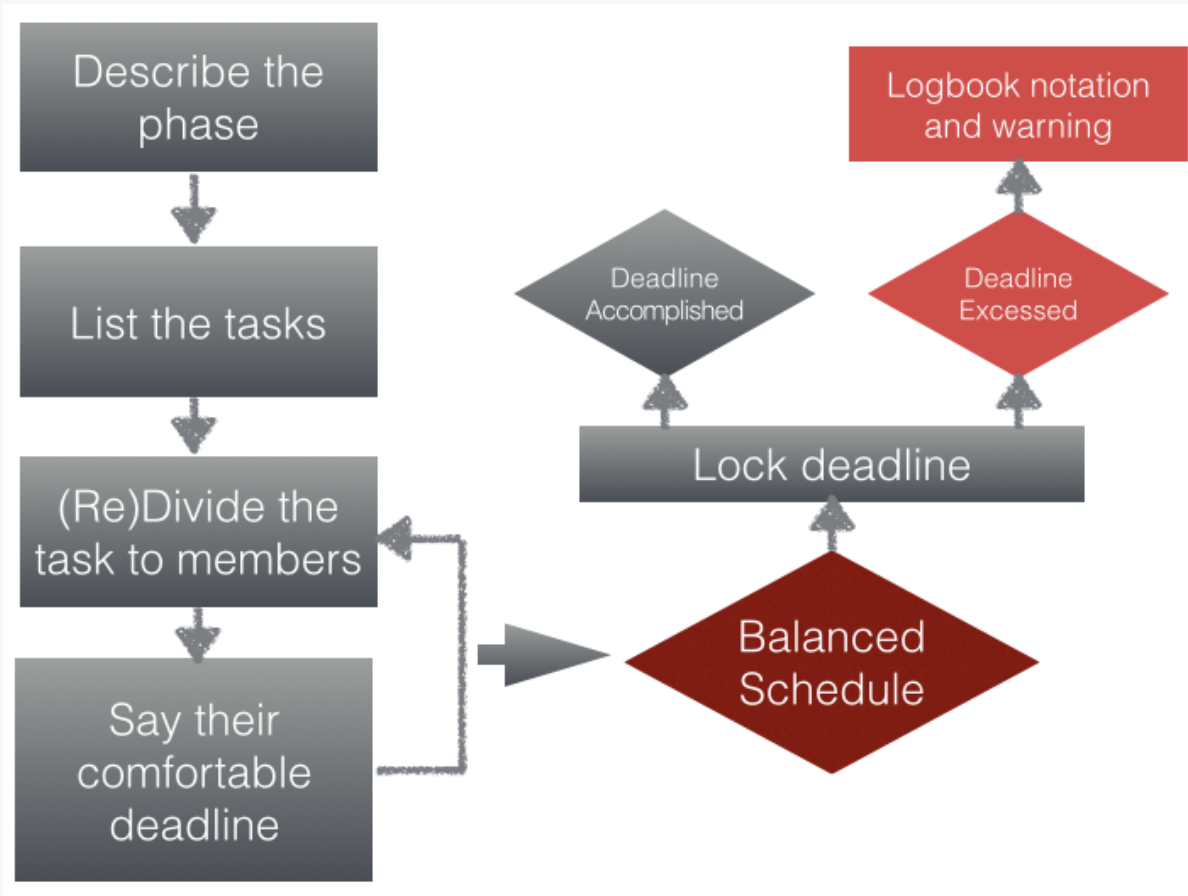
How easy is it to do the following using RadiCalc Students



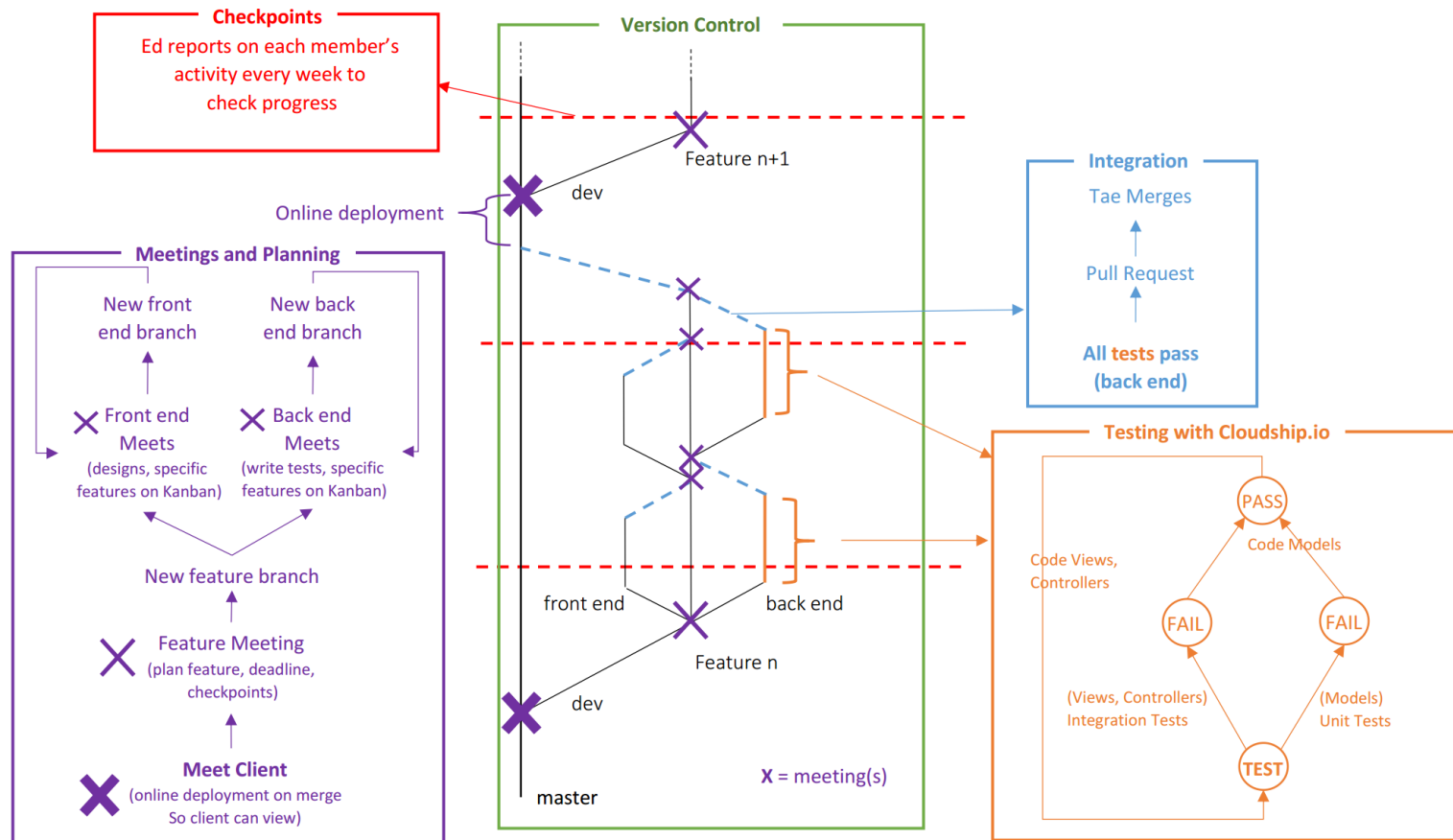
How easy is it to do the following using RadiCalc Lecturers



Deadline Control



Development Process



Value Proposition Canvas

