

Project Report

TEAM MARAUDERS

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1 Django backend

The backend for the API is built using Django framework. The backend basically provides features of Instructors to effectively manage the courses and take feedbacks from students. The django server is managed completely by an administrator who has rights to add students and courses to the web API. The instructor registers into the app either normally through the interface of the app or through facebook login.

The screenshot displays the Django Admin interface. At the top, it says "Welcome Admin!". In the top right corner, there is a "Logout" button. The main content area is divided into two sections. The first section, titled "Add Courses", contains a form with the following fields: "Code:" (with a red border around the input field), "Name:" (with a tooltip that says "Please fill in this field."), "Semester:", "Instructor:" (a dropdown menu), "Midsem date:" (with a placeholder "YYYY-MM-DD"), and "Endsem date:" (with a placeholder "YYYY-MM-DD"). Below these fields is an "Add Course" button. The second section, titled "Existing Courses", shows a list of courses, with the first item being "CS207 Discrete Structures".

The instructors can then add deadlines and feedback forms. We assume that all instructors are honest and trustworthy and can see each other's deadlines, forms and feedbacks

2 Features:

- Addition of courses and students by the admin
- Login and register options for instructors including sign up through facebook
- Creating feedback forms by the instructors having dynamic number of rows
- Adding deadlines for assignments and exams

Welcome!

Create Feedback FormLogout

Add Deadline

Due date:YYYY-MM-DD

Topic:

Description:

Course:

.....

Add Deadline

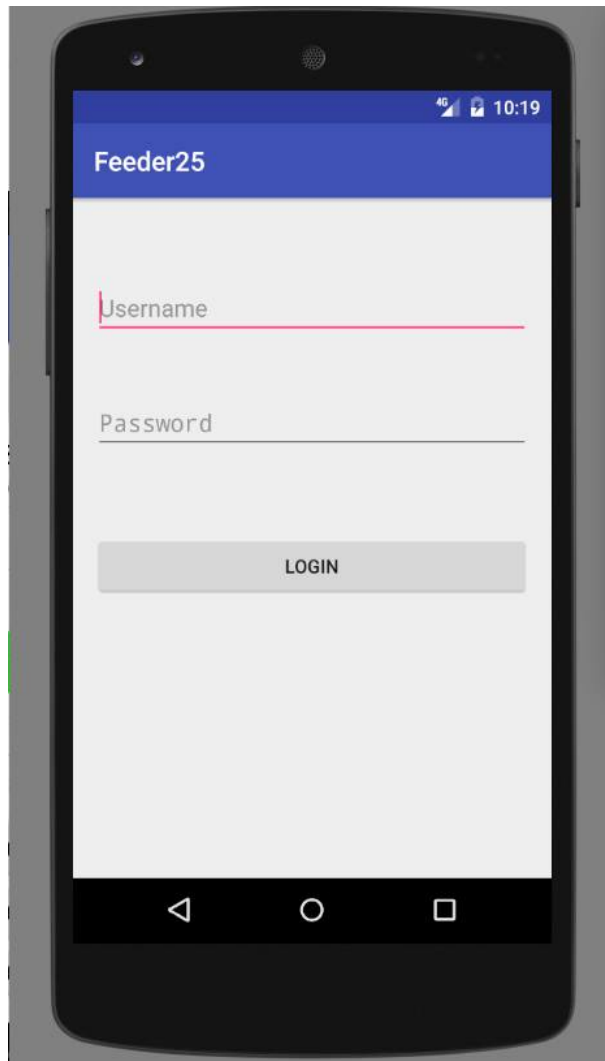
3 Android Frontend

The Android App is built using Android Studio. The Feeder App provides the students a easy way to manage their deadlines provided by the instructors. The App provides a login page and logout button. Even if the app is closed after logging in and then reopened the user remains logged in.



4 Features:

- Logging into app by authenticating from the backend
- Getting information about the courses of a student, deadlines and feedback
- Viewing the deadlines in the calender



5 Important notes for running the app:

- While registering through facebook the user would be kept logged in until he logs out of the original facebook account from the browser
- While adding questions in adding feedback forms you can add both rating type questions as well as subjective type questions
- The deadlines are separately displayed into two types- The ones which are upcoming and the ones which are over

[Logout](#) [Back](#)

[Add Rating Question](#) [Add Subjective Question](#) [Create Form](#)

Course: CS207 ▾

Topic: End of term

Due date: 2016-11-12

Rating Question 1

How would you rate the difficulty of exams, assignments, etc.?

Subjective Question 1

Any improvements in the course content

Rating Question 2

Reference material was easily available

Subjective Question 2

Any|

6 Reflections

The project was the one thing we worked the most on in this course. At face value, learning a plethora of new things would seem quite daunting and so it did. But once the structure of how things worked became clearer, it was just a matter of finding the correct ways to do things.

Django was perhaps the easier of the two, at least for us. Android Studio did keep giving random pains, but once we figured out what the errors were, they didn't feel so random, in fact, such pedanticism about things is the reason that working apps are so stable because otherwise there is an infinite number of things that could go wrong and one would never know about it. Django was fun! Creating models, relating them, passing data between views, etc.

We do regret that we weren't able to accomplish all of the features and we apologise for it. It was sheer incompetence on our part that led to our not being able to complete the whole thing in the stipulated time. We learnt a lot (first thing being, BEGIN EARLY!) in the course of the project.

All in all, the whole course has been a enriching journey. When we look back, we find that we are much more confident in walking into untested waters now than we were before. Bring it on!

We also thank the whole teaching team for the course, for making it so much fun!

It all ends here, one would say, but I would argue that this is in fact a new beginning!