



UniVerse

README: High-Fidelity Prototype

Sally Wang, Zijian Luo, Eric Feng, Steve Dou

Access our hi-fi prototype on Expo Go with this QR code:



Introduction

UniVerse is a college mentorship platform designed to provide counselors with autonomy and efficiency in their work. We allow counselors to select students based on shared interests and backgrounds, fostering personalized relationships through AI-powered insights and streamlined teaching tools. By addressing systemic challenges like lack of independence and unreliable data management, UniVerse enhances the counselor experience. Features include a "Find Students" tool, session organization capabilities, and actionable AI insights, creating a collaborative and inclusive environment that supports both counselors and students in navigating the college application process in an efficient way.

Installation and Operating Instructions

To access our app, first download Expo Go on your phone then scan the QR code at the top of the page. When you open the app, you are first directed to the "Login" page.

Login (initial screen)

You will first be prompted to sign up as a counselor or student looking for college help. For our prototype, we have only implemented the counselor's side of the application. Then, you will be prompted to sign up or log in to an existing account. You can just click submit to progress to our home page, which is our "Find Students" tab. You will be able to navigate to any of the other tabs through the bar at the bottom.

Find Students

From here, you can find students and propose being their counselor. There will be a list of potential students to match with, and for each student, you can press on them to go to their profile page to learn more.

There will be information about the student's goals and other personal background information. To progress with this student, you have an opportunity to message them

and explain why they would be a good counselor. You can either send the message or you can return to the “Find Students” page to work with someone else.

Classes

The screen initially shows a selection of all the classrooms that you have created. You can press any of the options to go into the classroom’s interface. Alternatively, you can press on the edit button to delete a classroom or begin the process of creating a new classroom. Here, the workflow for the counselor opens up, and you have two options to choose from.

In the “Lessons” tab, you can look through your upcoming lessons (shown with a green dot) and past lessons (shown with a gray dot). Clicking the edit button allows you to add a new lesson or delete a lesson. If you decide to create a new lesson, hit the top button “Create New Lesson,” which will bring you to an interface that allows you to enter in new information.

In the “Students” tab, you can look through students in this specific classroom. Clicking the edit button allows you to delete a student lesson or add a student(s).

Students

This screen provides chatting and AI-powered tools that make managing student data and progress easier. You will be able to quickly use the insights to organize what students need the most immediate help and make actionable steps to help them.

On this tab, you will be presented with a list of all your students. Any new students that recently accepted your request will be shown with a “New” tag. Clicking on a student will bring you to their profile, where you’re presented with their background, AI insights (if the student consented to them), and their materials shared on the app. If you go into one of the insights, it will bring you to a page with more details and the ability to act on the insight. From here, you can share the insight with the student.

On the main “Students” tab, you can also access your messages with students. Here, you can chat with your students.

Profile

On the “Profile” tab, you can view your profile. It lists your information, statistics, and achievements.

Limitations

1. This app should have two different users: college counselors and students preparing for college applications. For the sake of this class, we have targeted creating a design for our primary users, the college counselors, as creating both sides of the view would be very resource and time consuming.
2. We do not allow users to add new information or data, so when the data is refreshed, you can only see the dummy information we included. This is because allowing functionality to input/update preferences would make the hard-coded information mismatch what we show or require using an API that’s difficult to implement. Thus, all students, classrooms, lessons, and user information is hard-coded, with enough of each data type to demonstrate the functionality on our app.
3. We have also not implemented the chat interface. This requires developing messaging functionality, and as there is currently no functionality for students, there would be no reason for counselors to chat.
4. There is nothing that happens when you click to launch a Zoom meeting on a lesson. This is because the user would have to be redirected to the Zoom application, which isn’t necessary to demonstrate functionality on our app and is difficult to implement in Expo Go.

Wizard of Oz

1. Instead of implementing a back-end method for AI insights, we instead have hard-coded all of the suggestions. Although the real application will require AI to generate suggestions based on actual student data and outside information (like college statistics), creating, training, and deploying a model would require additional computing resources and time.

2. The messages are also all hard-coded into the app, because as previously mentioned, it would be difficult to develop messaging functionality, especially if there is no user base on our app for students.
3. The graphs and statistics for the user are all hard-coded, as we would need to create algorithms that track, display, and update the information as the user uses the app.