

Project Proposal

Project Name: Lesson Planner App for Freelance Tutors

App Description: Create a portal for teachers who can organize their schedule as well organize their lesson plans and assignments. Essentially a teacher/tutor can click on an appointment and see any notes or assignments that were given for that appointment. In addition, the teacher/tutor will be able to store their assignments in the app, and assign them to their students by simply sending a link. The app will have an invoicing/billing feature as well. This is so that tutors can manage their potential clients, and their unique deals all in one place.

Typical User: Freelance tutor and/or teacher

Overall Approach: The app will have some of the following entities:

1. Teacher
2. Student
3. Invoice
4. Assignment

The Teacher Table will have the following schema:

- ID
- First name
- Last Name
- Email
- Password (hashed)

One teacher to many students. One teacher to many invoices. One teacher to many assignments.

The Student Table will have the following schema:

- Student ID
- First Name
- Last Name
- Email
- Teacher ID
- Password

The Invoice Table will have the following schema:

- Invoice ID
- Invoice Amount
- Invoice Category
- Invoice Status
- Student ID
- Teacher ID

Expected Issues:

I need to do more research about the lifetime of an invoice and a payment. There are a lot of players involved in a single payment, and I'm concerned that this aspect of the app could become a lot faster. I'm hoping the Stripe API can offer some guidance.