

PROJECT DESCRIPTION

InstaTutor provides an environment for students and tutors to collaborate with each other in the context of schoolwork help. The application allows students and tutors to register for different types of accounts.

The student account type allows the user to post new jobs for tutor's help: **USE CASES**

- **Job content:**
 - Question/Title
 - Content/details
 - Due Date
 - Category (Math, CMSI, etc.)
 - Upload documents (optional)
 - Set price

- Tutors review jobs and submit proposal.
- Students review proposals and assign a certain tutor.
- Direct messages between tutors and students.
- Tutor work on the job and adds notes, then submit the notes back to student.
- Student accepts/rejects the work submitted by tutors.
- Release payment. (tutors now receives their money)
- Job is marked as comeplete.

JUSTIFICATIONS

- Will demonstrate my knowledge in technologies and languages that I learned
- Will allow me to work with Cloud Database.
- Will be full-stack project frontend/back-end.
- Expands on or solves the problem with Academic Resource Center. (not available all the time)
 - Saves students plenty of time.
 - Accessible at any time on any platform.
 - Wide range of subjects & Competitive tutors in various fields. (CMSI, Math, History, Physics, etc.)

- Personal Challenge

PROJECT GOALS

- Have tutoring available for students at any time and anywhere.
- Platform for all school work. (variety of subjects)
- Allow passionate tutors to get extra income.

TECHNOLOGIES

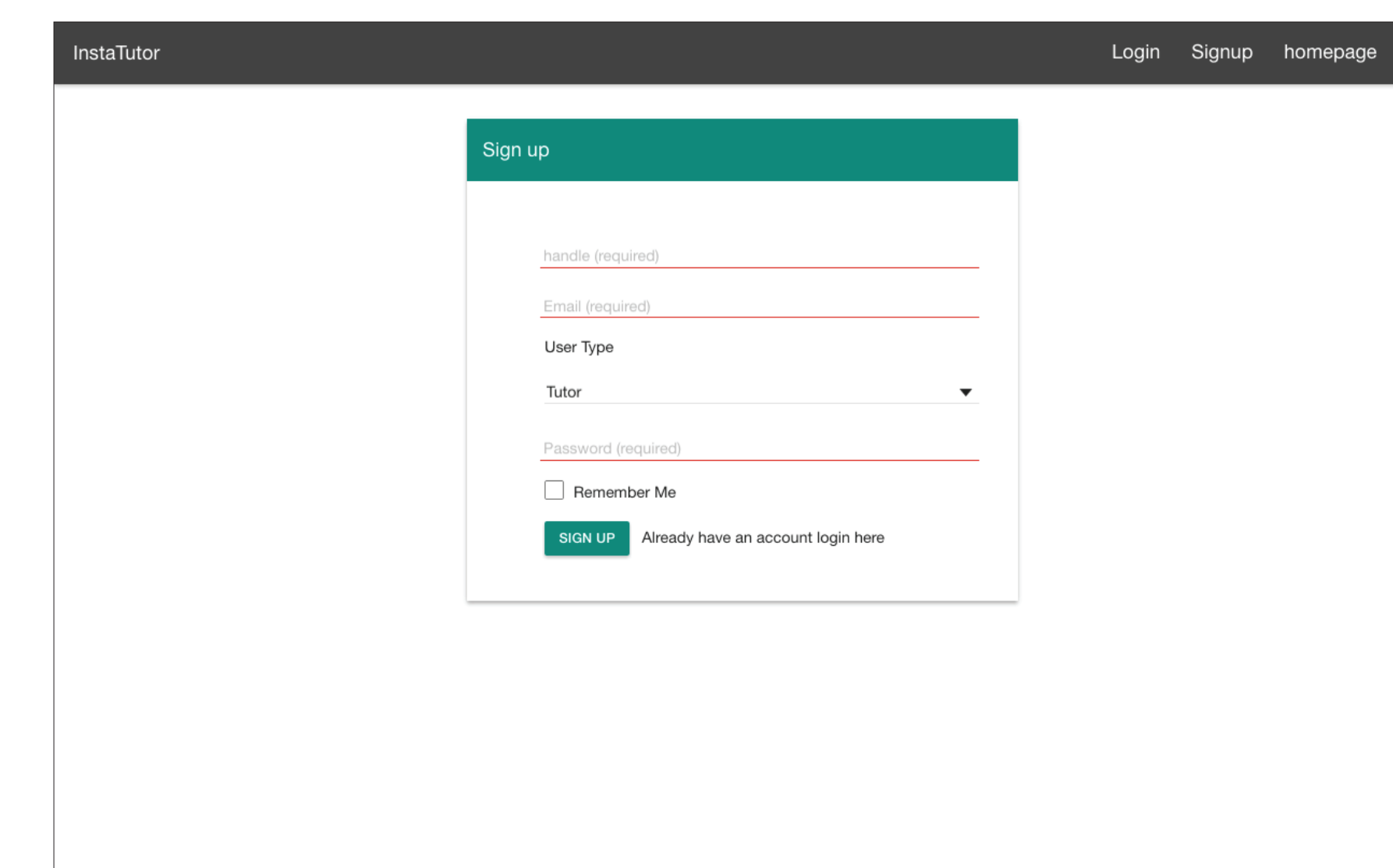
FRONT-END TECHNOLOGIES

- JavaScript (AngularJS 2.0)
- Angular Material
- Amazon Web Services (AWS)
- HTML5
- CSS3

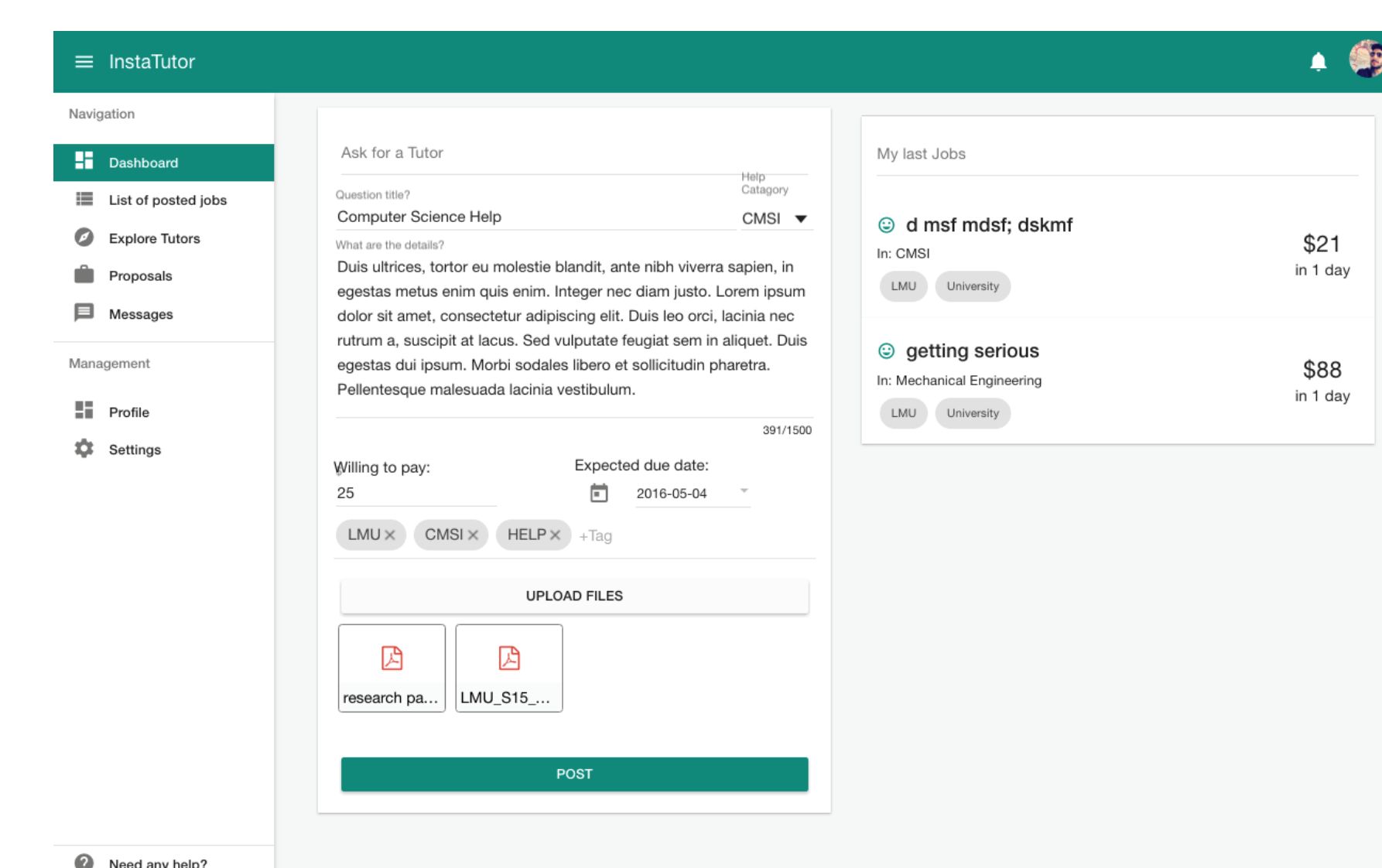


USER INTERFACE

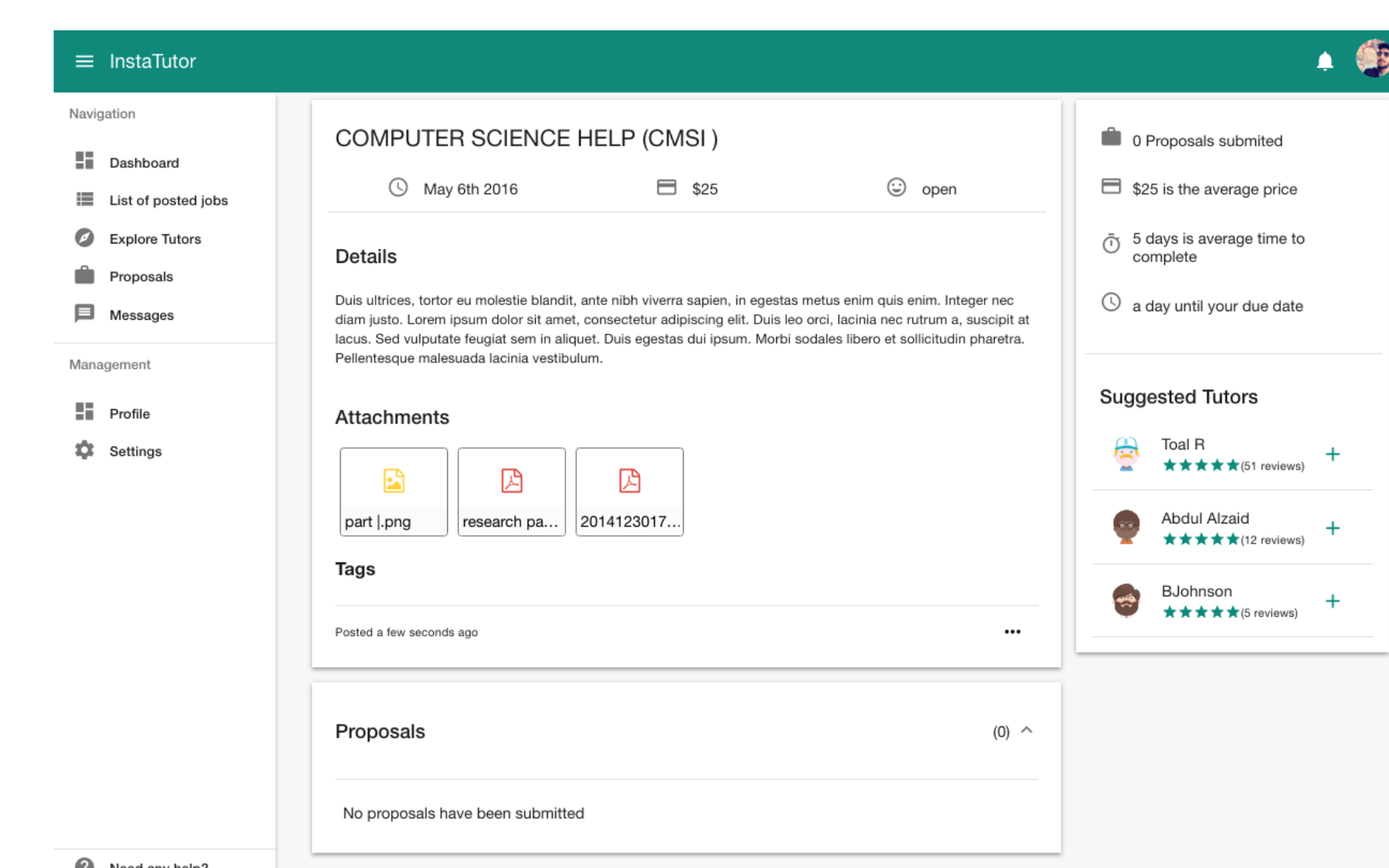
- Signup Page



- Dashboard For Student Account



- Job Page

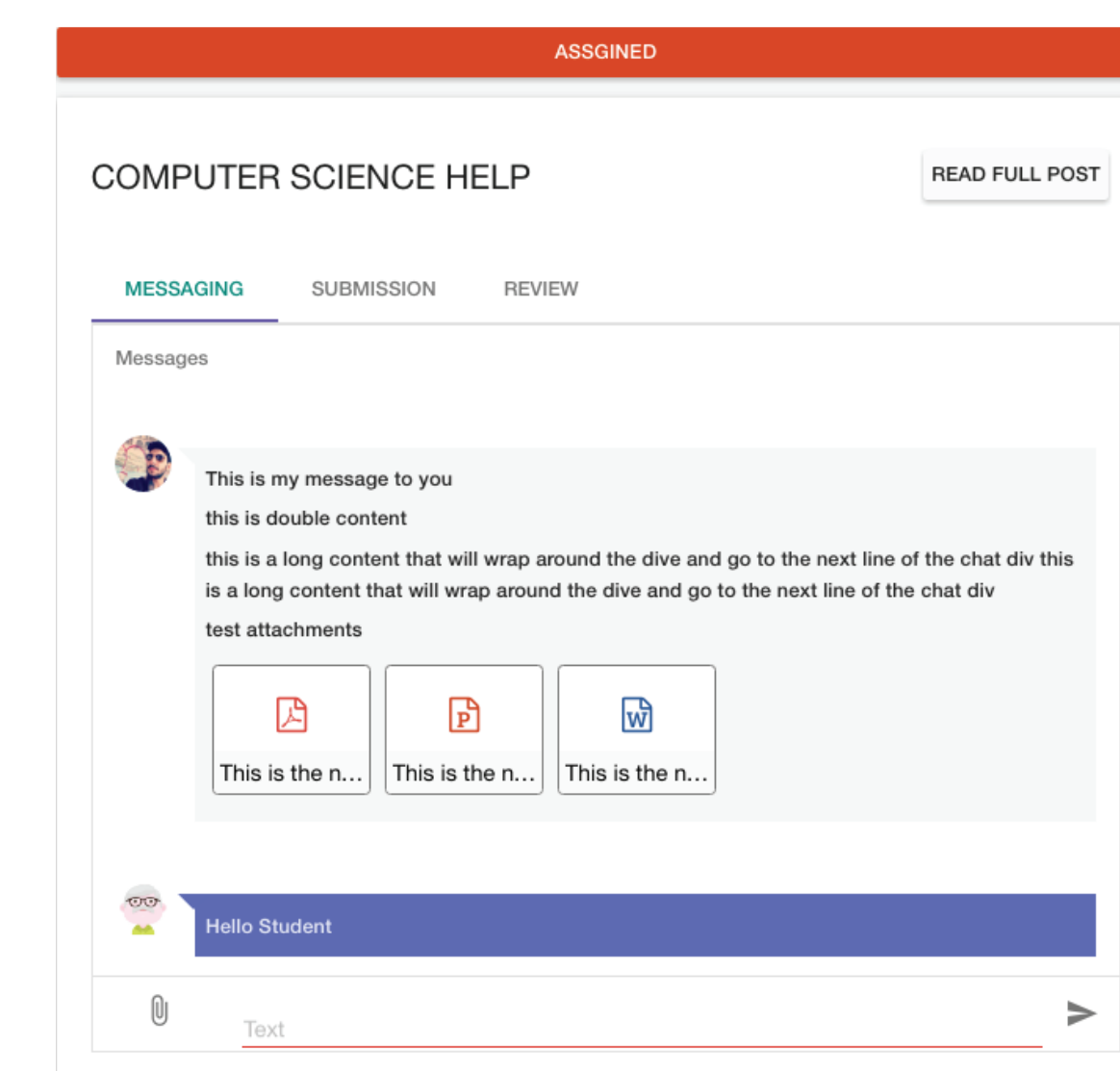


BACK-END TECHNOLOGIES

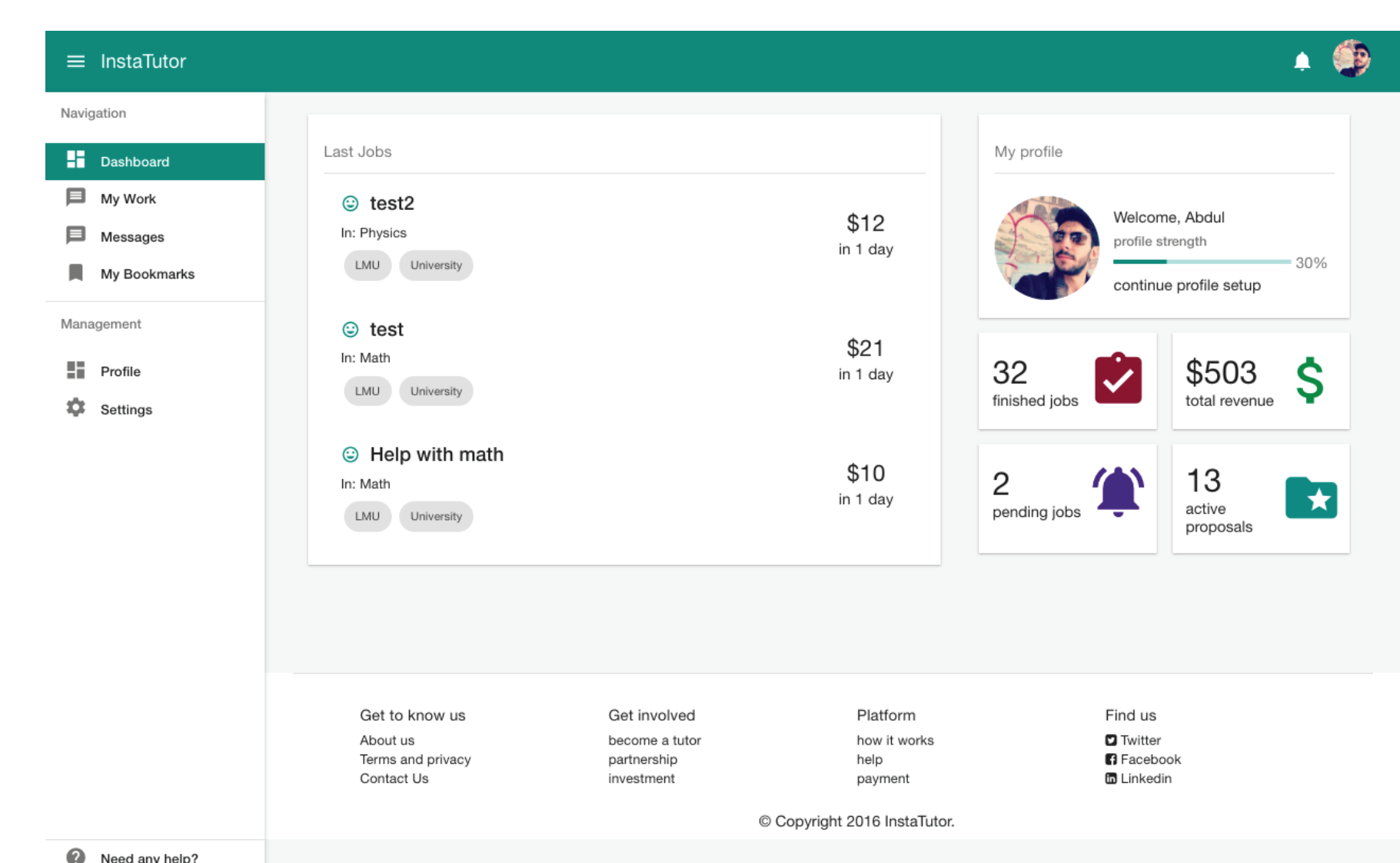
- Google Firebase
 - Uses REST API.
 - Stores & sync data with *NoSQL Cloud Database.
 - Uses JSON formatted data.
 - Uses realtime connection with all clients.
 - Uses TypeScript for Security rules.



- Messages Page



- Tutor Dashboard Page



- Tutor Submitting a Job back to Student Page

