

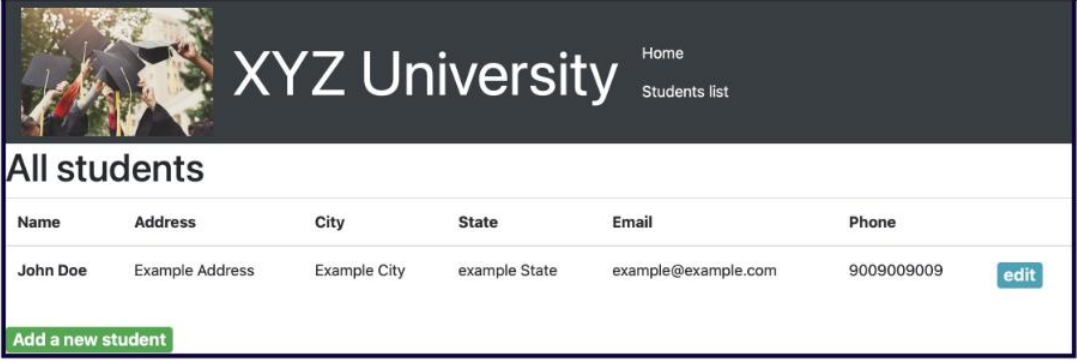
# SCENARIO


Example University is preparing for the new school year. The admissions department has received complaints that their web application for student records is slow or not available during the peak admissions period because of the high number of inquiries.

You are a cloud engineer. Your manager has asked you to create a proof of concept (POC) to host the web application in the AWS Cloud. Your manager would like you to design and implement a new hosting architecture that will improve the experience for users of the web application. You're responsible for building the infrastructure to host the student records web application in the cloud.

Your challenge is to plan, design, build, and deploy the web application to the AWS Cloud in a way that is consistent with best practices of the AWS Well-Architected Framework. During the peak admissions period, the application must support thousands of users, and be highly available, scalable, load balanced, secure, and high performing.

The following image shows an example of the student records web application. The site lists records of students who have applied for admission to the university. Users can view, add, delete, and modify student records.



|  XYZ University |                 |              |               |                     |            |
|--|-----------------|--------------|---------------|---------------------|------------|
| <a href="#">Home</a>   |                 |              |               |                     |            |
| <a href="#">Students list</a>  |                 |              |               |                     |            |
| All students   |                 |              |               |                     |            |
| Name   | Address         | City         | State         | Email               | Phone      |
| John Doe   | Example Address | Example City | example State | example@example.com | 9009009009 |
| <a href="#">Add a new student</a>  |                 |              |               |                     |            |