

Problem

- Updating student information was not always functional.
- Information was not always synchronized for Mobile Judge use.
- Course Upload Dialog feature with bugs.

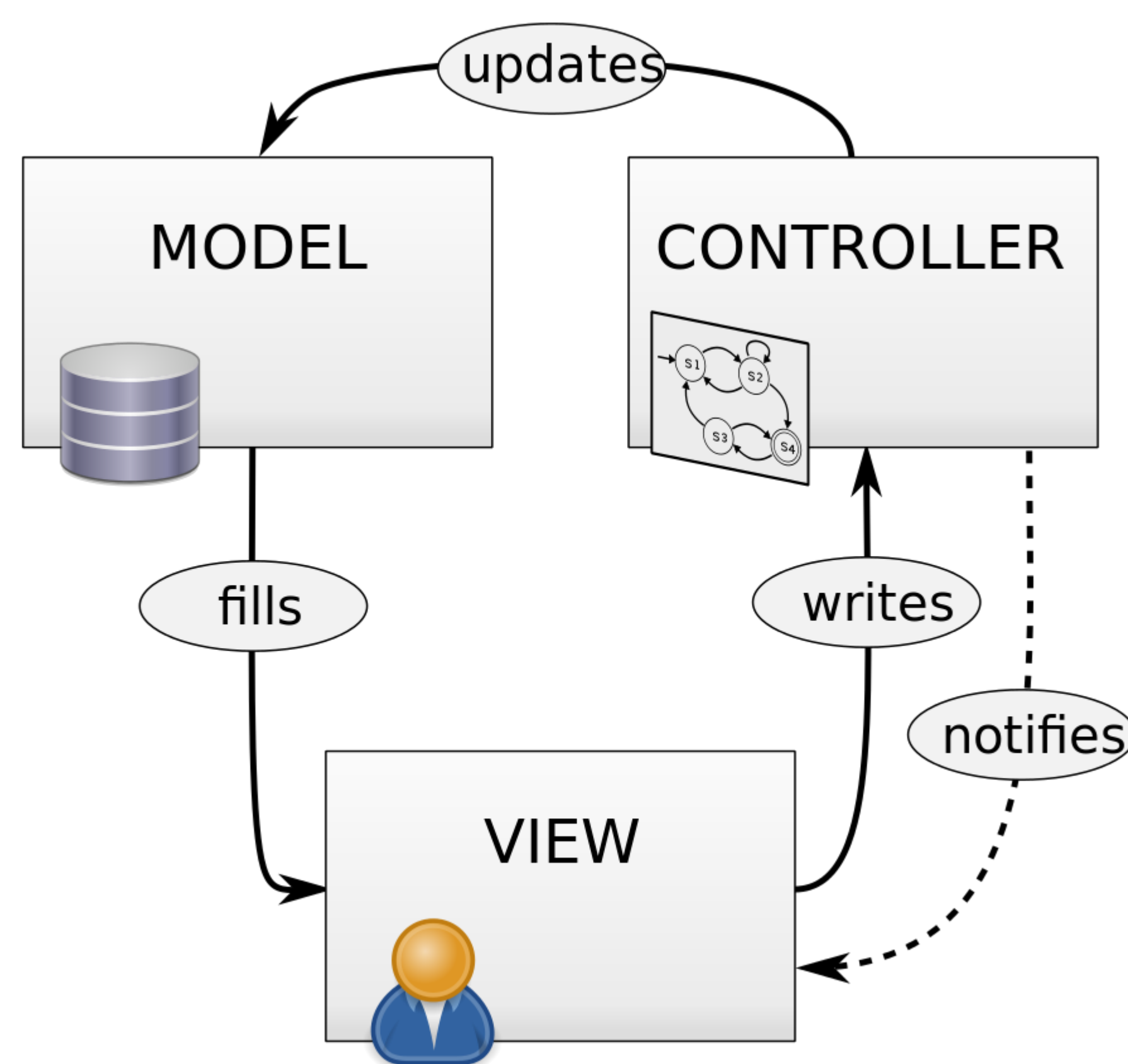
Current System

- Adding a student to a new course through the website would not always update their information.
- Information was missing and schema was not clear to Mobile Judge.
- Information Entry and Formatting is not streamlined.

Requirements

- Student information must be checked and updated accordingly when adding them to a new course. New students must be created if not existing.
- Information requested by Mobile Judge must be synchronized with VIP information
- Course Upload dialog must be error free

System Design

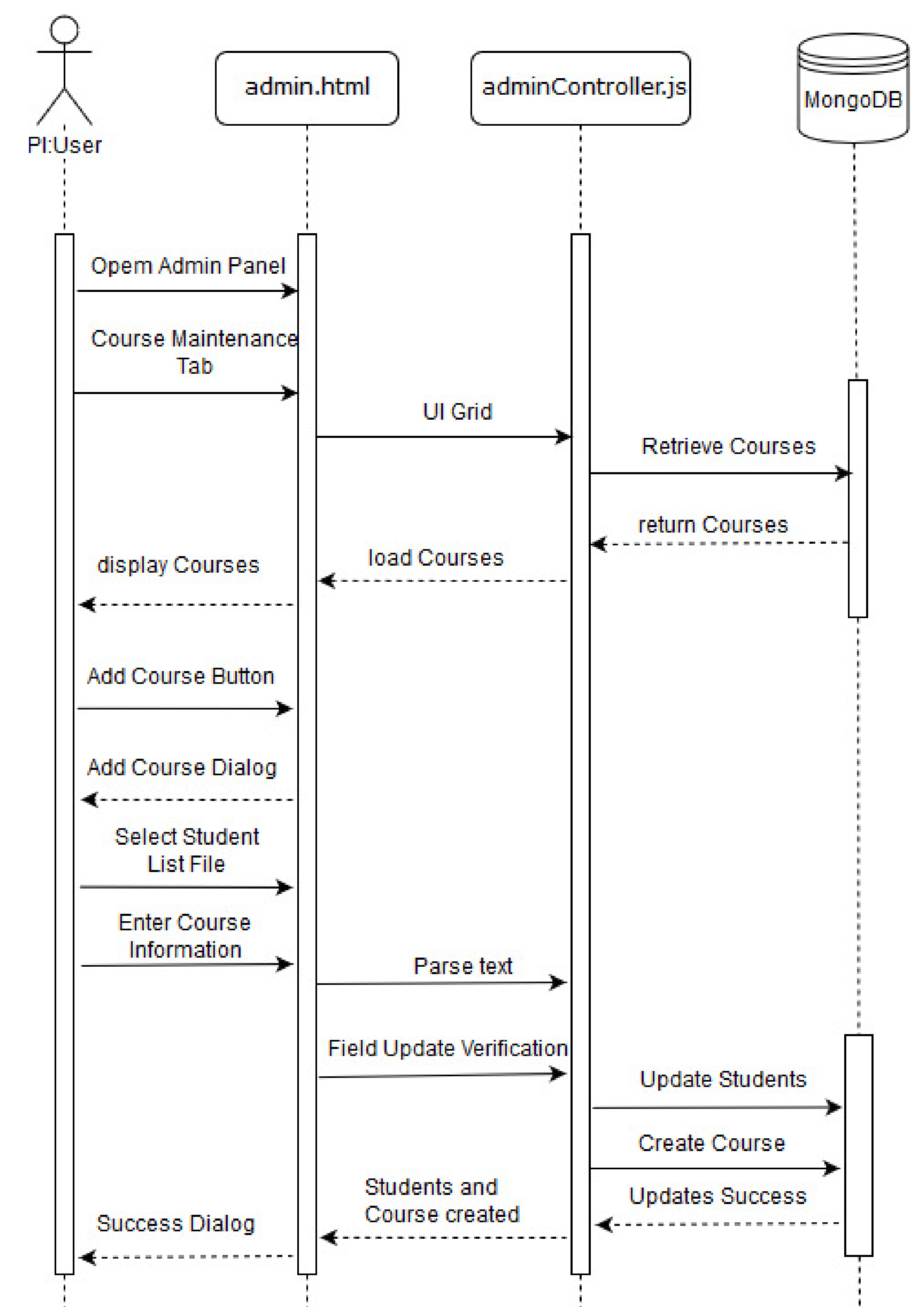


Implementation



The following components make up the MEAN stack that was used for the development of this application

- Mongo DB – NoSQL Database
- Express – App Framework
- AngularJS – Front-end Framework
- NodeJS – JavaScript Runtime



Screenshots

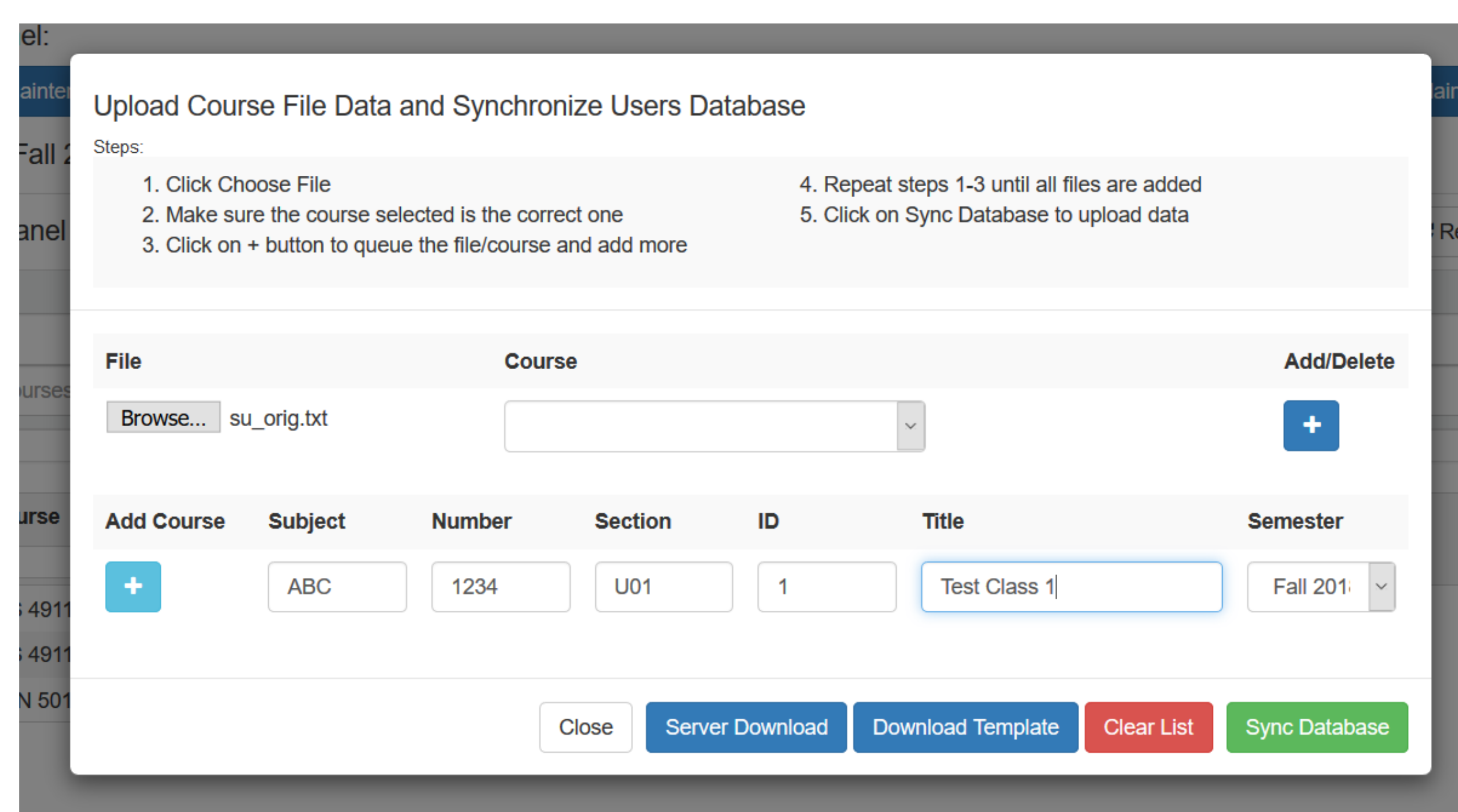


Fig 1. Course Upload Dialog

Summary

- All student information is now up to date when adding students during course upload
- Information between VIP and Mobile Judge is now synchronized
- Course Upload feature is now a streamlined process

First Name	Last Name	Email	Semester	Project
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Fig 2. Student Information updated satisfying Mobile Judge requirements

Acknowledgement

The material presented in this poster is based upon the work supported by Florida International University. I thank Dr. Sadjadi for the assistance, cooperation and mentorship that I received throughout this process. I would also like to thank my group members for their collaborative efforts throughout the semester.