Gaurav Srivastava • Naveen Ganessin • **Alex Rosenberg** • Michael Schloss

ABC

Project Charter

TEAM MEMBERS

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PROBLEM STATEMENT

Blackboard can be useful, however it is not native and it has its problems. It can be very disorganized and it has many user interface redundancies. While trying to be great at everything, it ends up being a conglomeration of mediocre tools. It runs in a web browser, meaning it's dependent on the web browser a user chooses to view it on. With multiple redundancies and parts of the User Interface that don't work, it becomes more of a hassle to use than an ease. With ABC, we hope to simplify classroom management and make an extremely responsive and aesthetically pleasing application.

ABC will be different than the others by using native OS features such as Notification Center, Power Management, and Storage. By being built on top of Java, it can run on any OS at any time, making it super easy for a student, teacher, or administrator to use on any of their devices. It will not include auxiliary details such as discussion boards in order to keep the primary focus on classroom management rather than communication, which can easily be done by other means that already exist such as email or systems such as Piazza.

OBJECTIVES

- File management system
  - Upload, download, and sync files.
- Grade management system
  - Post grades from instructor account.
  - Notification posted to student account.
  - Student is able to view grades in student account.
- Announcement management system
  - Announcements can be sent to students
- Notification management system
  - Notifications can be posted for new content added, grades posted.

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STAKEHOLDERS

Project Coordinator	Alina Nesen
Project Owners	Naveen Ganessin, Alex Rosenberg, Michael Schloss, Gaurav Srivastava
Developers	Naveen Ganessin, Alex Rosenberg, Michael Schloss, Gaurav Srivastava
Users	Teachers, Students, & Administrators

DELIVERABLES

- An executable for the management system
- Java, SQL, and JSON database system for communications and storage that is accessible from the application

PROJECT LAYOUT

- **User Interface**
  - As little redundancy as possible
  - Aesthetically pleasing
  - Uses Swing and AWT frameworks
- **Objects**
  - Object creation, management, and other data APIs
- **JSON Translation**
  - Interfaces between local objects and JSON objects for communication with the database
- **Server/Database**
  - Data storage
  - Communication with clients for storage and retrieval of data