



Bringing the Classroom Together

Functional Specification

Views

Sign In

- Allows users to sign in.

Sign Up

- Allows new users to sign up with their full name and a valid .edu email address.

Dashboard

- This is the main view of the app.
- Has a header with Classboard logo, and the ability to open settings or change classes.
- Has a grid of widgets that each solve an individual classroom problem.

Settings

- Allows students to change their personal information.
- Allows class administrators to change class settings, and enroll and unenroll students.

Integrative Experience

- Each widget in Classboard solves a problem we have all experienced in some of our General Education classes.
- Some problems we solve relate to human psychology, such as the fact that students are more likely to admit confusion if it can be done anonymously.
- We also use some psychological tricks to minimize anything potentially distracting.
- Classboard is a much better version of iClickers and Moodle which are both commonly used in Gen Education classes.

Use Cases

- Take class attendance.
- Give students brief in-class quizzes.
- Share handouts and homework assignment files with students.
- Students can ask questions, which can be replied to by instructors.
- Students can press a button to tell their instructor they are confused, providing anonymous, real-time feedback.
- Assign, submit, and grade homework.
- Automatically grade based on students Classboard attendance, quiz and homework scores.
- Lecture slides that students can follow and annotate in real time.

Non-Goals

- 3rd party platform integration.
- 3rd party widgets or plugins.
- User profiles.
- Calculator widget
- Machine learning algorithm.
- Dashboard appearance customization.
- Mobile optimization.
- Notebook widget.

Sign Up View



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Login View



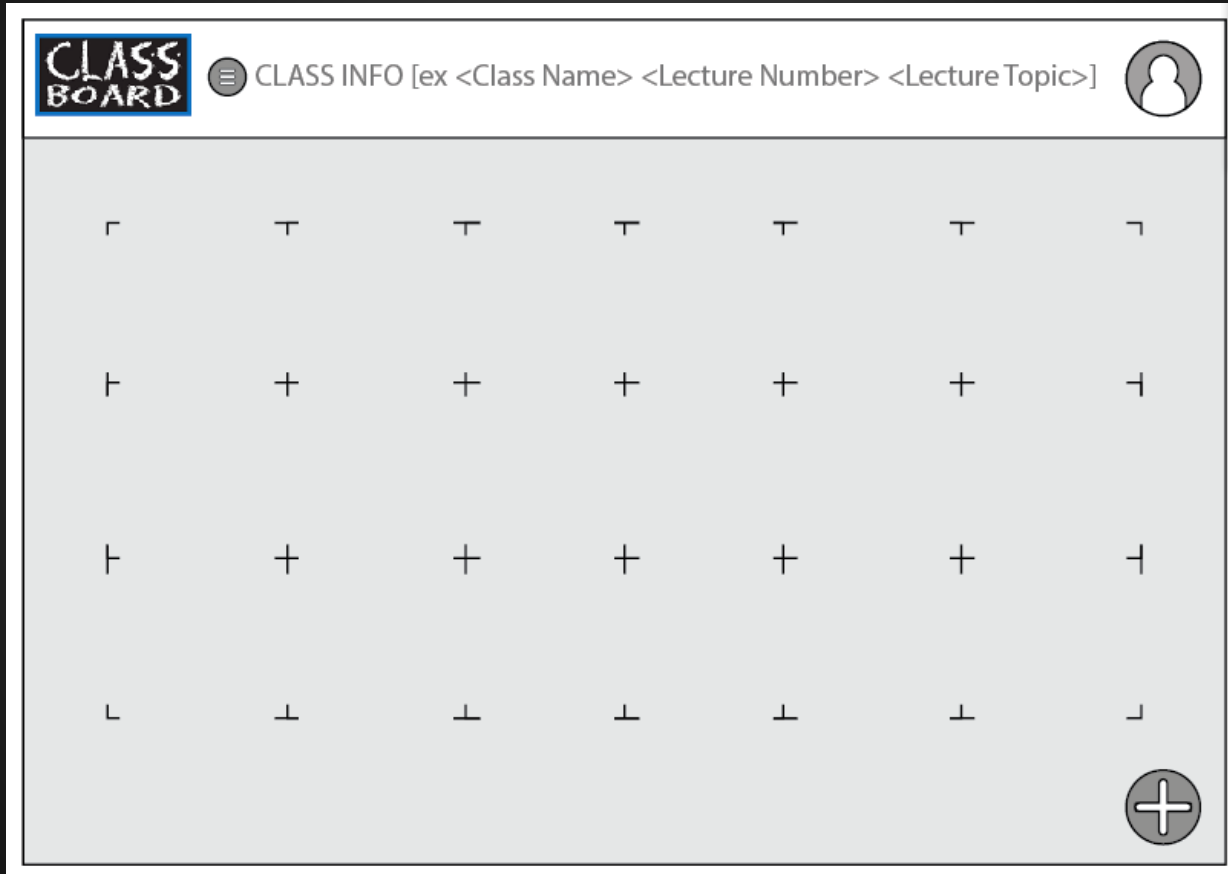
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[forgot password?](#)

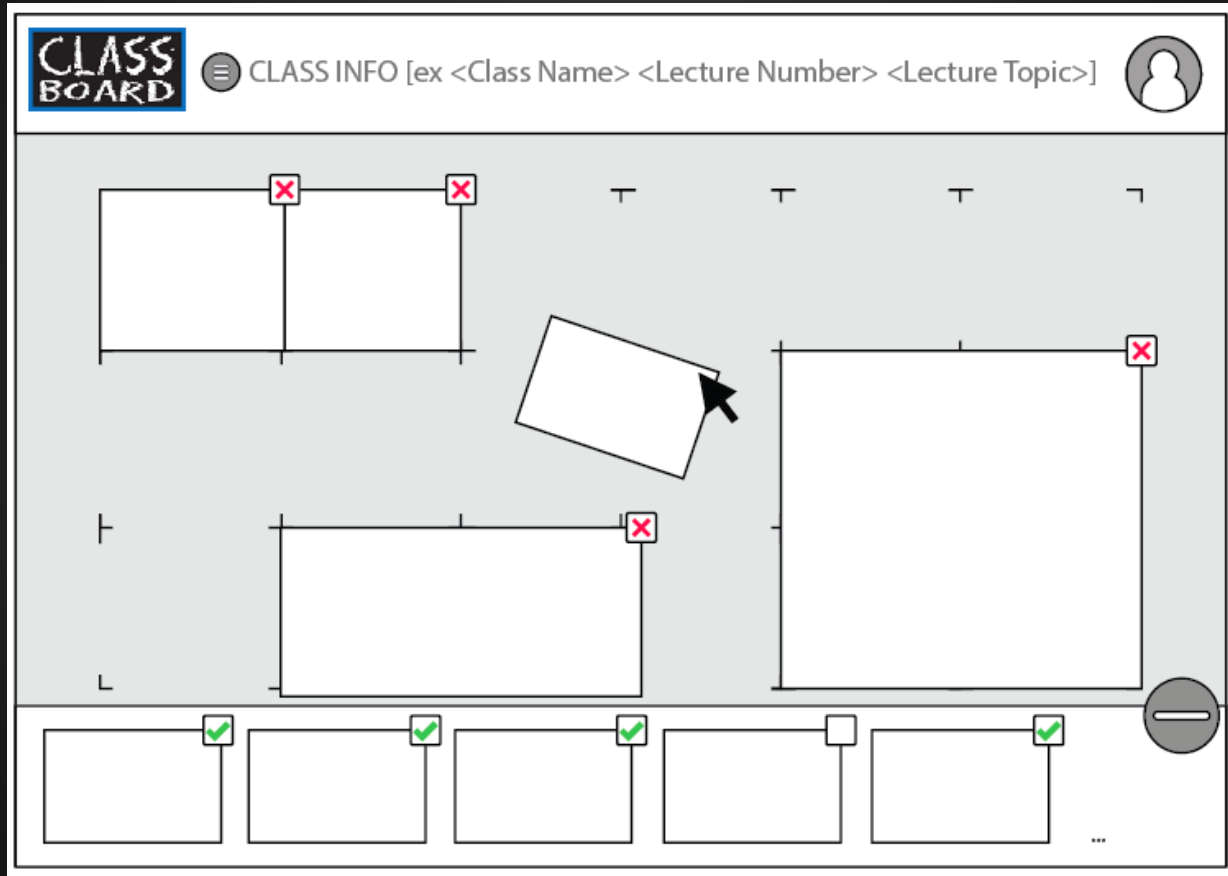
sign up

sign in

Blank Dashboard View



Widget Dashboard View



Settings View

CLASS BOARD

CLASS INFO [ex <Class Name> <Lecture Number> <Lecture Topic>]

Settings

Personal Information

name

edit

email

edit

password

edit

student id

edit

Class Information

class 1

edit

class 2

edit

class 3

edit

...

...

+

add class

Admisitrative Options

class name

edit

students

edit

...

...