Our names are Siyan, Zoha, and Parker, and we are all students at RPI. As RPI students, we need to use a variety of applications for our classes, such as LMS, Gradescope, Discord, Submitty, Webex, and more. This makes it rather difficult and tedious for students to find materials for classes, submit assignments, find syllabi for classes, figure out deadlines, etc. The general purpose for all these applications that we use is for professors to post course materials, assignments, and announcements; for students to check course materials and submit assignments; and for students to be able to ask questions about the class online and receive answers from professors, TAs, mentors, and other students. So, to address the issues of having to use all these different applications for similar purposes, we are creating an online application called ClassHub.

ClassHub is an online application that will be a hub for all things related to all of a student’s and professor’s classes. There, professors will post their assignments, materials, announcements, and more. It will also be a place where students can easily ask questions and receive answers from other students, professors, TAs, mentors, and others. Professors, as well as other people with administrative privileges over a class, will also be able to post services for tutoring, extracurricular activities, and other things related to the class.

ClassHub will have a landing page for all users to see. There, the application will be briefly explained, and users will be able to view more information about the application, as well as log into their accounts or register for an account. From there, users can see help pages to see how to use ClassHub and a courses page, where information about the courses a user is registered for will be. There will be a landing page for the general courses folder, where users can see what classes they’re registered in. Each class will have its own specific folder, and in those folders, there will be a landing page for a general class description and multiple other folders for specific class materials. For example, a typical class would have an announcements folder, materials folder, assignments folder, and discussions folder. There will also be many more folders with other things for classes, which can be decided upon by users with administrative privileges of the course. Navigating ClassHub will be somewhat similar to Discord and LMS, as there will be many options on a sidebar to choose where users can go.

As we only have a few weeks to create this online application and have limited experience, we will only be focusing on a few areas of our online application. We will be primarily focusing on HTML, CSS, the graphics, and page layout and design of our website. Focusing on this area will allow us to focus on the fundamentals of our website and lay a strong foundation for our project. It will also let us add features to our website more easily without having to worry about making massive changes to our layout due to an oversight. Besides that, we will secondarily be focusing on the JavaScript interactivity of our application. We want to be able to make the user experience much better on our application compared to what students have to deal with on other applications. A major complaint that we’ve seen about applications like LMS is the user experience and how difficult submitting assignments can be at times, so we will be sure to put some focus on that and improve upon these issues with our application.

**Information Architecture (root = /)**

* index.html → ClassHub’s home page
* /login/
  + /login/student login.html
  + /login/teacher login.html
  + /login/welcome-page.html
* /help/ → All help pages
  + /help/index.html → Help page
  + /help/page1.html → Pages to explain how to use the website
  + /help/page2.html
  + …
* /docs/ → All documents pertaining to ClassHub including the project plan and scope
  + /docs/scope.docx
  + /docs/mockups/ → All mockups
    - /docs/mockups/landing\_page.png
  + …
* /scripts/ → All JS scripts
  + /scripts/login.js
  + /scripts/script1.js
  + …
* /styles/ → All CSS files
  + /styles/images/ → All images
    - /styles/images/image1.png
    - …
  + /styles/styles.css
  + …
* /courses/ → All courses stuff
  + /courses/index.html → Courses landing page (should show you all courses you’re registered for)
  + /courses/courseName1/ → specific courses
    - /courses/courseName1/index.html → Course home page
    - /courses/courseName1/announcements/
      * /courses/courseName1/announcements/announcements.html
      * /courses/courseName1/announcements/attachment1
      * …
    - /courses/courseName1/materials/
      * /courses/courseName1/materials/materials.html
      * /courses/courseName1/materials/material1
      * …
    - /courses/courseName1/assignments/
      * /courses/courseName1/assignments/assignments.html
      * /courses/courseName1/assignments/attachment1
      * …
    - /courses/courseName1/forum/
      * /courses/courseName1/forum/forum.html
      * …
    - /courses/courseName1/grade calculator/
      * /courses/courseName1/grade calculator/grade.html
      * /courses/courseName1/grade calculator/report card.html
  + /courses/courseName2/
  + …