

Project Features List:

1. LOG-IN/REGISTRATION PAGE (NON-FUNCTIONAL)

As per the requirement, a log-in (or registration for first time users) page that retrieves the user's own personal planner and assignment information for use in the application.

2. HOME PAGE (FUNCTIONAL)

Home landing page where user can select calendar or grade book views, and add/remove assignments.

3. ADD/REMOVE EVENTS (FUNCTIONAL)

Users can add and remove events from their planner/calendar as they choose in order to keep track of the many deadlines required.

4. ASSIGNMENT REMINDER (NON-FUNCTIONAL)

Set up a reminder system that sends a reminder to the user a set time before an assignment is due or before an exam. We will also allow users to input custom reminder times.

5. DOCUMENT UPLOAD (FUNCTIONAL)

We want to allow users to upload any documents (syllabi, notes, etc) to their own class folder for quick reference.

6. FILE SHARING* (FUNCTIONAL)

We would like users to have the ability to share notes and/or other documents with other PlanIt users.

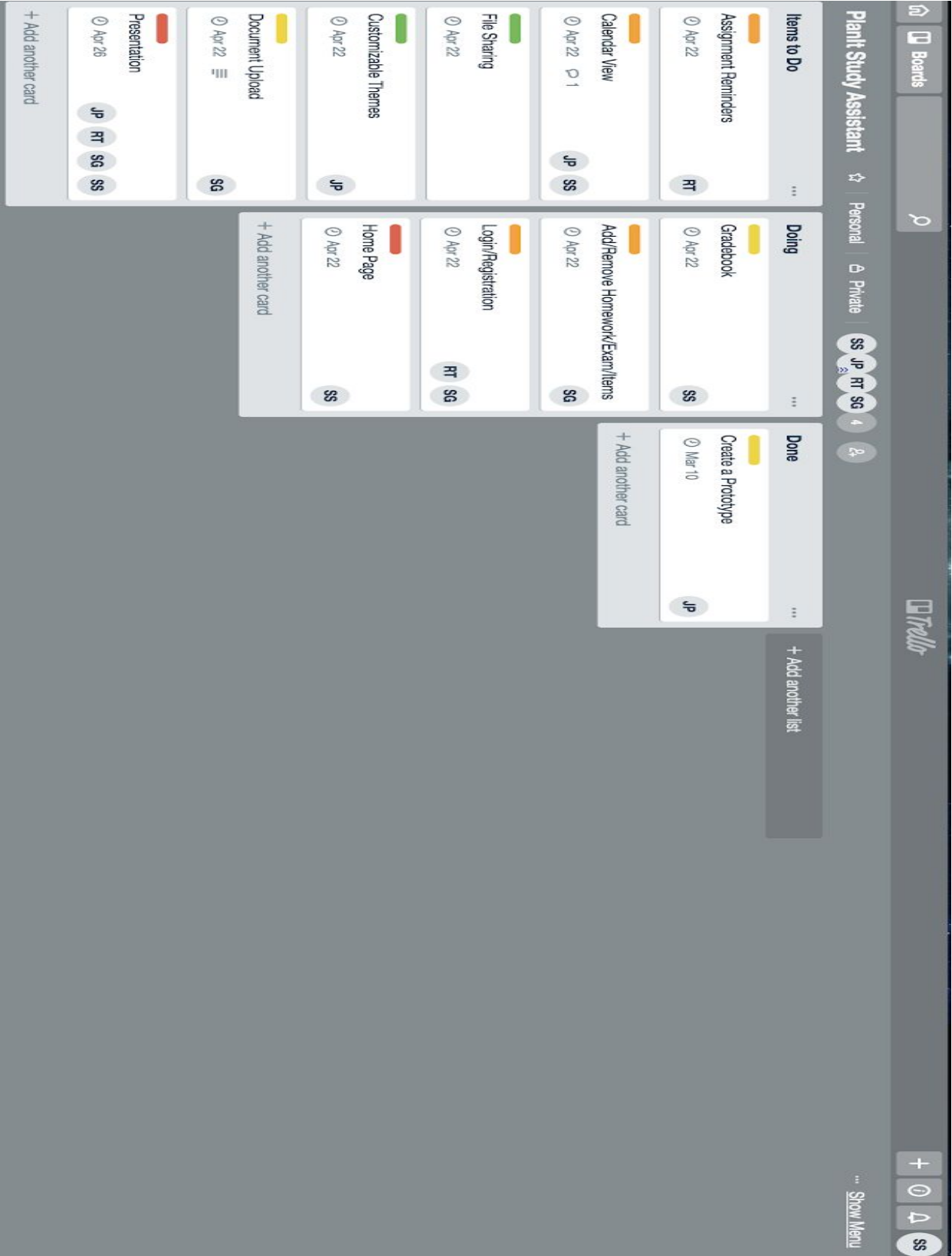
7. GRADE BOOK (FUNCTIONAL)

We want to allow users to create and customize their own grade books for each class. This would come in the form of a table perhaps where they can add weights (exams, homework, etc.) and include as many items as they want within those weights. That way they can keep track of their own grades and centralize everything into one place rather than utilize multiple gradebooks (Moodle, Canvas, D2L, Blackboard).

8. CUSTOMIZABLE THEMES (FUNCTIONAL)

We want to allow users to customize their home pages with different colored themes/ backgrounds.

Project Management Tool: Trello (kanban-like card system)



1. LOG-IN/REGISTRATION PAGE (NON-FUNCTIONAL)

- **Deadline:** 22 April 2019
- **Assigned To:** Sage Garrett and Ryan Than
- **Goals:** For users to be able to create a new user or if the user has already created an account then they just need to login using their university email address and password. An additional feature for this website is providing a 'forgot user email/ password' pop-up that will wither lead the user to create a new password or resend their sign-in information.
- **User Personas:** For students, instructors, and new users.
- **User Stories:** To be able to create an online planner and to access their account when they need to.
- **Page Descriptions:** The log-in page will have two fields that will need to be filled-out: user email and password, there will also be a hyperlink that will take the user to a different page if they forgot their email address or password. There will also be a create a new user button on the log-in page. This button will link to a registration page where a new user will need to out the following fields: University Email Address, Password creation, and choosing a security question from a drop down menu and providing an answer. Please see our prototypes below:

PLAN IT STUDY ASSISTANT

Email Address

Password

LOG-IN

Don't have an account? Sign up!

Joshua Peap, Sage Garrett, Ryan Than, Sarah Schaeffer ©

This prototype shows a simple login interface. At the top, the title 'PLAN IT STUDY ASSISTANT' is centered. Below it are two input fields: 'Email Address' and 'Password'. A blue 'LOG-IN' button is positioned below the password field. At the bottom, there is a link that says 'Don't have an account? Sign up!'. The footer contains the text 'Joshua Peap, Sage Garrett, Ryan Than, Sarah Schaeffer ©'.

PLAN IT STUDY ASSISTANT

University Email Address:

Password:

Re-enter Password:

Security Question:

Security Answer:

LOG-IN

Have an account? Log in!

Joshua Peap, Sage Garrett, Ryan Than, Sarah Schaeffer ©

This prototype shows a registration interface. The title 'PLAN IT STUDY ASSISTANT' is at the top. Below it are four input fields arranged in two columns. The left column has 'University Email Address:', 'Password:', and 'Re-enter Password:'. The right column has 'Security Question:' (with a dropdown arrow) and 'Security Answer:'. A blue 'LOG-IN' button is centered below the right column. At the bottom, there is a link that says 'Have an account? Log in!'. The footer contains the text 'Joshua Peap, Sage Garrett, Ryan Than, Sarah Schaeffer ©'.

- **Risks:** We will need to be able to access a database that stores all of the users information in seconds and load it into their own homepage. If a user is being created then the users information will need to store the new user and their information in the database, which will also have to be stored in seconds. The pulling and storing of information from the database will need to have a fast run-time.
- **Future Iterations:** We could include a hyperlink or site home page (different from our users home-page) that talks about what PlanIt features and give a few sample images of what an account comes with and how each of the features look.

2. HOME PAGE (FUNCTIONAL)

- **Deadline:** 22 April 2019
- **Assigned to:** Sarah Schwallier and Joshua Paup
- **Goals:** To display a home page for users to view tasks, their calendar/ schedule, their grade book, as well as add/ remove assignments. This page is essentially the place where all of the other features can be viewed/ accessed.
- **User Personas:** For both the student and instructor use. Students and instructors will likely have access to the same features.
- **User Stories:** Users want to be able to access the home page to view vital information such as assignments, exams, schedule, etc. and access other features.
- **Page Descriptions:** This page will consist of a current/ upcoming assignment section, ability to add/ remove assignments, and links to different features (schedule page, grade book, exams).
- **Risks:** This is the main page that users will see so it should be organized and all of the links to other features should be working and easy to access. Since this page is so open to change, deciding on a final look for the home page will take some time.
- **Future Iterations:** In future iterations of this page, we could include various cosmetic features such as a completion meter for assignments or color coding (to distinguish between exams and assignments). We may also include more features catered to instructors versus those for students.

3. CALENDAR VIEW

- **Deadline:** 22 April 2019
- **Assigned to:** Joshua Paup and Sarah Schwallier
- **Goals:** We will set up a viewable calendar that students may use to keep track of upcoming deadlines, create study plans for upcoming exams/quizzes, and set up personal reminders.
- **User Personas:** Predominantly for students. We want students to have the ability to modify/manipulate their study schedule that they best deem fit. We can offer a default/recommended method for upcoming exams/assignments/etc., but we want to leave that up to them. Ultimately, keeping track of upcoming deadlines for assignments is something the students themselves will have to input into the calendars by themselves since we're not planning on implementing technology that allows us to scan a class webpage or syllabus to import that data.
- **User Stories:** Obviously having a calendar view will provide a good substitute for a physical planner and centralize both due dates and reminders into one space!
- **Risks:** Going into this project, we will have to make a decision between importing a calendar into our service through an API or creating our own calendar. This comes with the drawback between either allowing our users to have more customizable features by creating our own calendar and time heavy, or having something more well-established and time saving.
- **Future Iterations:** Push email or text notifications to the users of upcoming deadlines rather than keep all updates local to the website.

4. ASSIGNMENT REMINDER

- **Deadline:** 22 April 2019
- **Assigned to:** Ryan Than
- **Goals:** We want to be able to notify users when assignments are due, when events are occurring, and when new assignments are added to their planner.
- **User Personas:** For teachers, this feature would be mostly for events, as they are the ones assigning things to others. For students, this would be immensely helpful as it would allow them to keep track of all of the time restrictions of different assignments and be able to prioritize some over others
- **User Story:** Students want reminder notifications so that they can keep track of the complex timelines of various assignments and events so that they can prioritize and manage all of their tasks
- **Risks:** If we are to notify people when their assignments are due, this would mean that the server has to be checking this at all times, not just when the user is using the app, which could potentially add a lot of overhead.
- **Future Iterations:** In future versions of this feature, we could potentially upgrade our server to be able to handle running for all users 24/7 to be more precise with notifications, which could greatly improve this feature.

5. Add/Remove Events

- **Deadline:** 22 April 2019
- **Assigned to:** Sage Garrett
- **Goals:** We want users to be able to add, manage, and remove items from their itinerary so that they are better manage their time and efficiency
- **User Personas:** This feature would function similarly for all users, however teachers would be able to share events (assignments) with other users (students) so that they can all be on the same page as far as when things are assigned and due.
- **User Story:** Users want to be able to add and remove their own events so that they can personalize their planner to fit their own deadlines, and so that they can manage their efficiency by editing and adding new events to help them stay organized
- **Risks:** If users were to enter too many items (possibly as a system attack) it could make the system run slowly or even crash due to there being too many things to keep track of.
- **Future Iterations:** In future versions of this feature, we could allow users to add long term events that span multiple days so that they can account for vacations, or other similar long-term events.

6. GRADE BOOK (Joshua)

- **Deadline:** 22 April 2019
- **Assigned to:** Sarah Schwallier
- **Goals:** We want users to have access to a dynamic table/spreadsheet that they can manually import assignments/weights and figure out their current standing in the class.
- **User Personas:** This feature would function almost similarly for both teachers and students, but we want to be able to provide teachers the option to update and share their own gradebook with students if they wish. That way students don't have to manually input each assignment or weight into the gradebook.
- **User Story:** Students would want this because they can keep track of their own grades at their own pace. Often times, students will have a professor that takes their time with updating the gradebook despite handing back assignments weeks beforehand. This gives more control to the users.
- **Risks:** We need to implement the correct math to make sure that students are seeing the appropriate grade in their class. Also we won't be able to take into account professor's curving the class.
- **Future Iterations:** We would like to be able to include the feature where students can upload their syllabus or web page into this page, and the gradebook will automatically create its own columns/weights.