PLANNiT

Functional Specification

Matthew Lydigsen, Lucas Meira, Michael Markman, Jake Bernstein, Raymond Zhu, Shaoxi Ma

Overview: by Jake Bernstein 3/7/15

- Plannit is an application that engages people of all backgrounds in an effort to give them the opportunity to make their days easier through organization and management. Plannit provides its users with modules that let them organize their lives in as complex or simple a manner as they like. The modules will be presented in different categories that the user specifies on his or her homepage. Each homepage is customized for a different user and is accessed through that user's login info.

- With Plannit, the user could have something as small as a calendar to put down important dates, or could go as big as a calendar, a reminder system, a budget calculator, and even more! The possibilities and customization options are endless when it comes to Plannit, and it is up to our users to find out what works best for them.

- *Disclaimer*: This spec is not the final version of our application, nor does it explicitly show all of the screens and features in this version of our spec. Rather, this spec focuses more on the basic underlying structure and functionality of Plannit, with strong emphasis on functionality and basic features. Plannit can be expected to undergo much development in the future, including new looks, new modules and features, and possibly a change in user-interface.

Team Organization: by Michael Markman 3/9/15

- Jake Bernstein
  - Design Manager/bodybuilder/ Full-stack developer
- Michael Markman
  - Financial guru/abs of steel/Full-stack developer
- Matt Lydigsen
  - Project Manager/Brains over brawn/Back-end developer
- Raymond Zhu
  - Database Integration/the gentle giant/Back-end developer
- Lucas Meira
  - Database management/the boy wonder/Back-end developer
- Shaoxi Ma
  - Head UI designer/the silent coder/Front-end developer

Scenarios: by Raymond Zhu 3/7/15

John is a computer science major at some prestigious school. He's a genius in the making, but his scores never really show that. Due to his poor organization, time management skills, and poor memory, he usually forgets to complete assignments or ends finishing them but completely forgetting to hand them in. John realizes that if he wants to show his genius and start doing better, than he needs something to organize himself. John signs up for Plannit, and creates a planner just for his classes. It keeps track of important due dates and meetings. And if John totally forgot about an assignment, Plannit will notify John in real time that a due date is coming up. No more forgetting about an assignment or forgetting to hand it in for John or at least the excuse of forgetting.

Robert is a businessman, a very successful one at that. Before being a successful business man, Robert used to work for other companies where he had a bad habit misspend his money. He'd forget that his budget was some dollar amount and just think "I need this product right now", that's not the mindset of a businessman. One day Robert has an idea that he'd like to turn into reality. Little did he know it would some day be acknowledged as one of the best ideas in history. In order to create his business, he needed money, he needed to manage it, and he needed investors. Robert decided that he needed a planner to organize himself and something to manage his budget, profits, and sales. Robert signed up for Plannit and designs his own planner with modules related towards finance and business. Now Robert is easily keeping track of business meetings, monetary issues, and how to sell his product.

Anthony is a just a regular guy, except for the fact that he has superpowers and saves the world every single day. Anthony is always busy saving people left and right and stopping wars from happening around the globe. He's just so busy that he can't keep track of everything with his mind. Anthony uses his secret identity to sign up for Plannit and creates his planner to notify him when someone needs to be saved, when there's a sparring match with a fellow superhero, and when a super villain needs a good lesson.

Emily is a mother of 3 children and each of these 3 children have birthdays within the same week. Emily is adamant to have 3 separate parties and has to plan the events for each of these birthdays and manage her budget per party. She also has to manage work on top of getting the party ready. Emily knows this is the worst week of the year, so to make it easier on herself, she signs up for Plannit. Now she doesn't have to worry about forgetting to buy a certain item, worry about going over her budget, or have to open several tabs or go through many links just to organize herself.

Don Quixote is more towards the hardcore video gamer path and has participated in a few gaming tournaments himself. This time he's participating in a tournament in which he requires teamwork, leadership, and most importantly,

organization. The tournament is split into 8 divisions of randomized selected people per team. Each team's goal is to start from a starting point where each team differs in starting points that are equal in length from the finish. The map is structured as a labyrinth. Each team member is given 1 life in the game and once their in game character dies they're eliminated. Death can occur from traps, rival team attacks, etc.. Don Quixote, being the most experienced in the group has been elected as the team's leader. He knew in order to conquer the labyrinth he must remember each step he takes as well as other team members, he instantly knew from past experience that this tournament consisted of timed events and hidden riddles in order to correctly traverse the labyrinth. He quickly planned out how to avoid certain timed traps, made logical decisions using a basic calculator, and record certain routes and dead ends. He knew the only thing capable of that in one app was Plannit with his own customized sets of modules.

Arnold is a sophomore college student. He knows he should do well in his classes, but he can never get his social life organized enough to have time to work on the class' assignments. He signs up for a web app called Plannit in order to get both his social life and academic life organized, in hopes that he can enjoy being social while being able to do his work. Instantly he knew he needed to have two separate planners for academic aspects and for social aspects of his life. He also knew each of them needed a to do list that notified him when important dates are near for both his social and academic life. Arnold is now a professional at time management, and is the life of the party while still doing well in school.

Jane is a new principal for a high school and has to demonstrate she can be a great principal for the first academic year. She can manage her time very well, but her problem is that she needs to balance the school's fund while planning for events the school can have. If she performed her finances like Nikola Tesla performed his, she'd have another problem at hand. She decides to use Plannit to organize scheduled events, remaining budget, list of potential teachers at the high school, etc.. After many not as stressful days after using Plannit Jane finishes her first academic year as a principal successfully.

Chris is a gamer as well, though not as great as Don Quixote, and a raid leader. The raid leader is responsible for organizing everyone's available time and what team to raid with based on this time. He wants to organize everyone's team members as well as accommodating for their availabilities for their raid times. Chris decides to sign up for Plannit in order to get a good grasp of the team. He sees that people have different time zones and decides to use Plannit's calculator while organizing the team in order to have his own time represented in the organization. This gives Chris a better understanding of who can be teamed with who on certain days of the week. On top of that Chris would like to balance his gaming life with his social life and activities, so he doesn't have conflicting schedules. Chris, being a lazy man, decides to keep using Plannit so that he doesn't have to click through extra links and tabs to obtain his schedule. Chris is now a very powerful gamer and a very powerful person in real life with the help of Plannit.
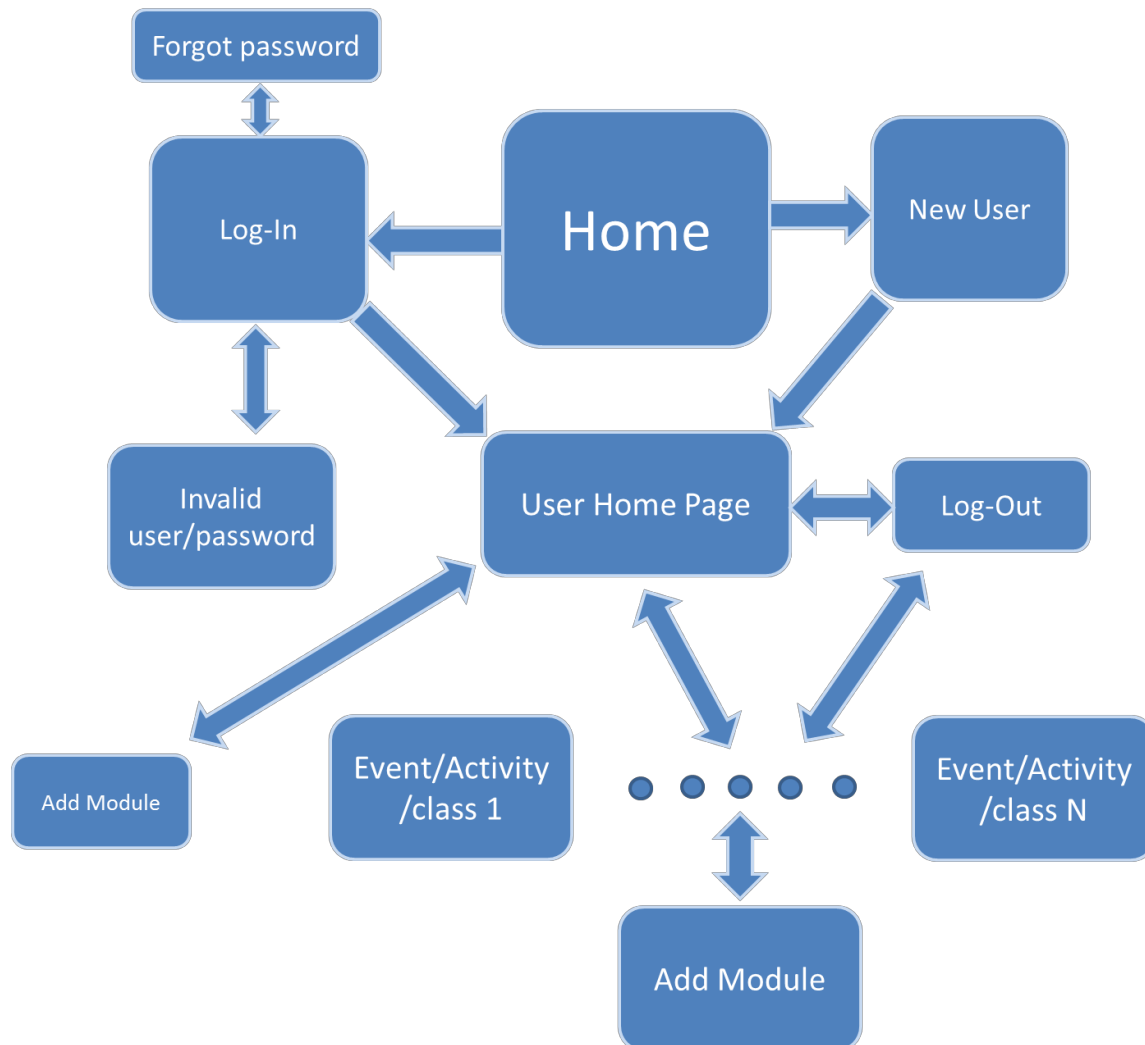
Non-Goals:

by Matthew Lydigsen 3/2/14

Plannit will be a fully functional planner for any general task that you wish to accomplish from a day to day basis. This website at it's initial release may not have the capability of planning for specific events such as classes, or workouts (hopefully we will be able to tell you one day what leg workouts you need to accomplish on a certain day of the week.) Here are some other features that won't be available on our web application.

- There will be no chat or sharing features between users.
- There are no default planner layouts. (we want the user to create their own planner, having default options of planners would make the whole point of our app pointless)
- There will only be a default number of modules you can add such as calendar, upcoming events, details, etc… (as it progresses we may include a feature that lets you create your own module but at the moment we are only going to include a default list of modules to choose from)
- As mentioned earlier there will only be a default event you can choose from. Having the option to choose from a list of events such as class, extra curricular activity, sports, etc… will be a feature we may add down the road but won't be functional in the initial launch

pg6

Plann.it Flow Chart:

by Matthew Lydigsen 3/2/14

Forgot password

Log-In

Home

New User

Invalid user/password

User Home Page

Log-Out

Add Module

Event/Activity /class 1

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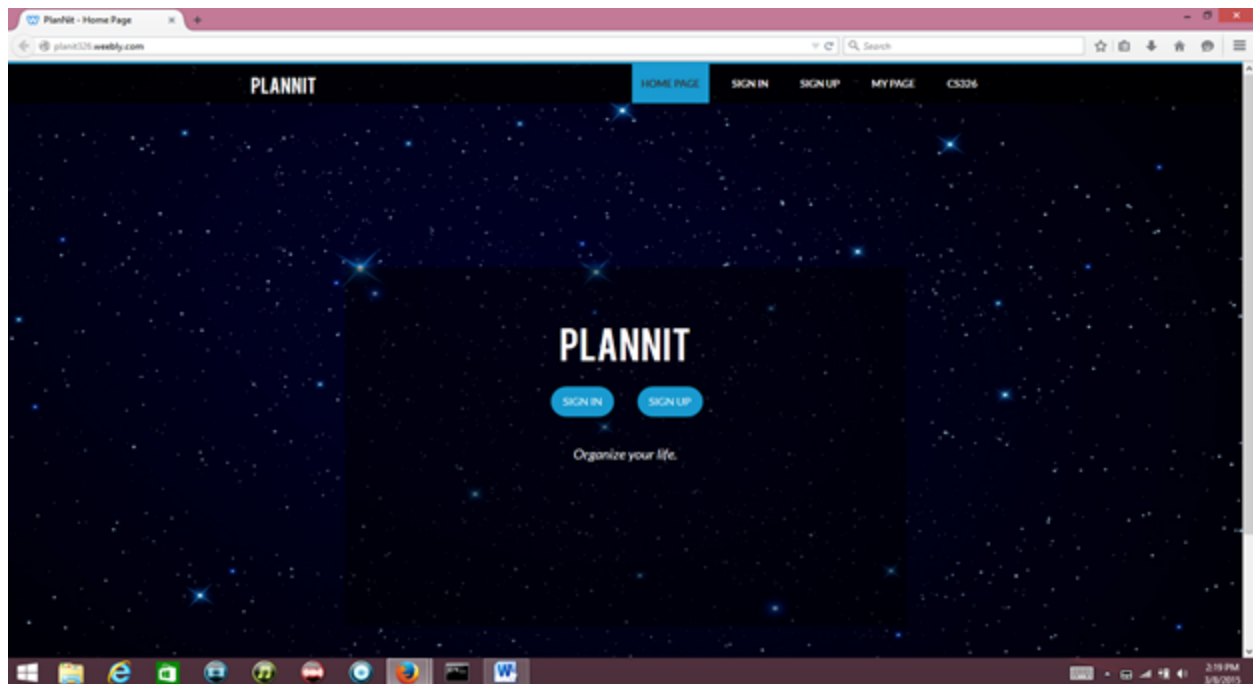Event/Activity /class N

Add Module

Screen-by-Screen:

by Lucas Meira 3/8/15

Home Page:

The home page will consist of two options (sign in or sign up) and possibly a short overview of the application and its use. Once the user logs in, "My Page" will serve as the new home page.

*For the actual website, the "MY PAGE" and "CS326" tabs will not be there.

Login Page:

The login page will be very simple: it will ask the user for their username and password. There will also be a "forgot password" option (will be added), that will prompt the user to enter their email. From there, it will ask the user to change their password through the user's email account.
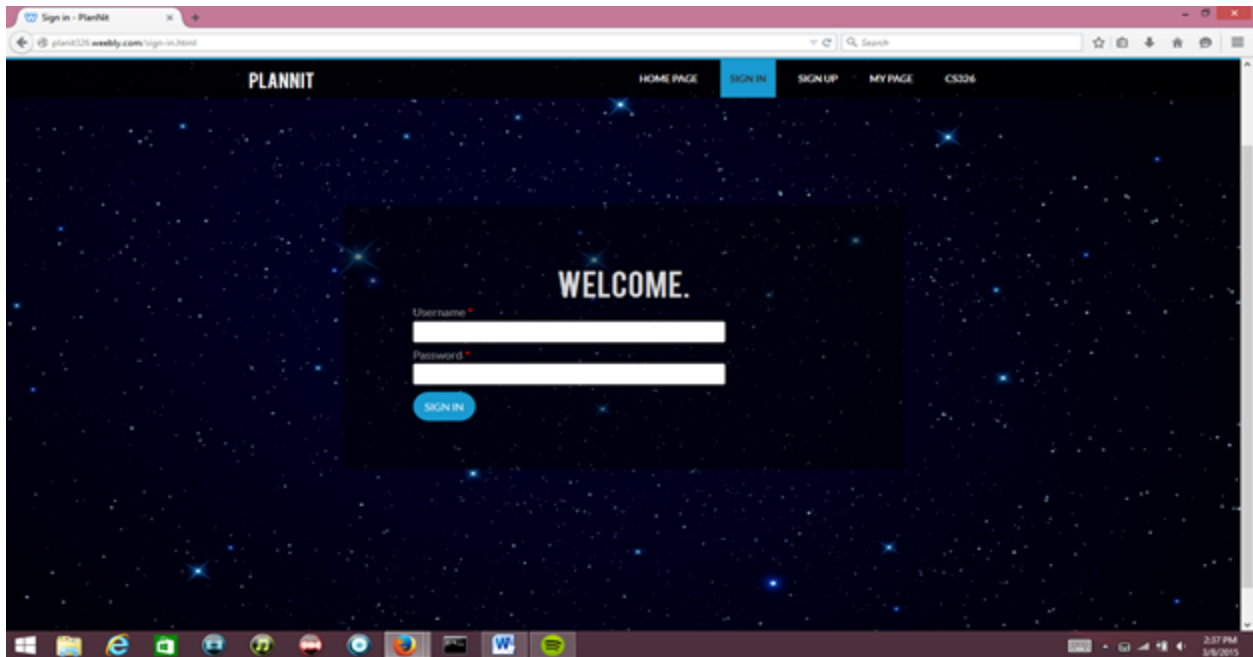
Registration Page:

For first time users, they can click on the sign up button, which will bring them to a registration page. Here the user will have to provide their name, username, password, and email to complete their registration.
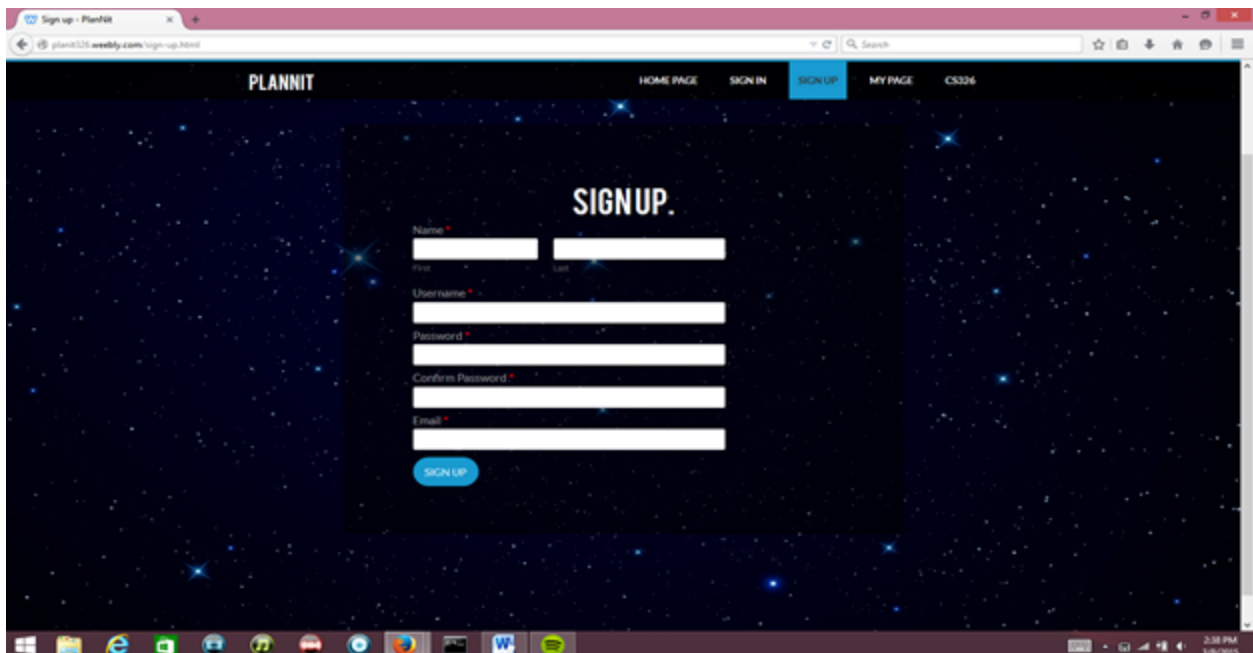

"My Page":

Once the user logs in, they will be brought to their "my page" (profile page). The profile page will consist of modules created by the user and an option at the

bottom for adding more modules. The first default module will be a "to do list" that keeps track of upcoming events/assignment that are due. The other modules will serve as link that brings the user to each "class page".
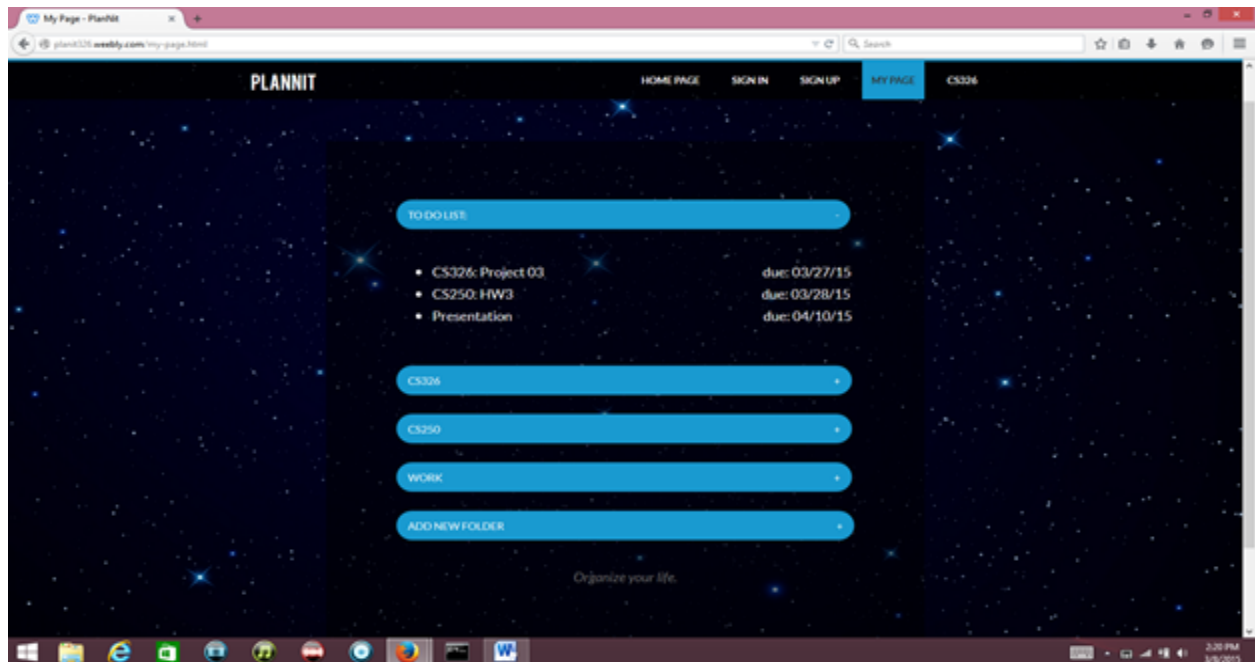

Class Page:

This page will be blank to start with and will only consist of a title (in this case the title is the class name). The user will be able to add different modules and options depending on what the "Class Page". The user takes full control of what they want each page to look like (lots of customization features). For example, the user can have an upcoming events section that keeps track of their due dates along with a calendar.
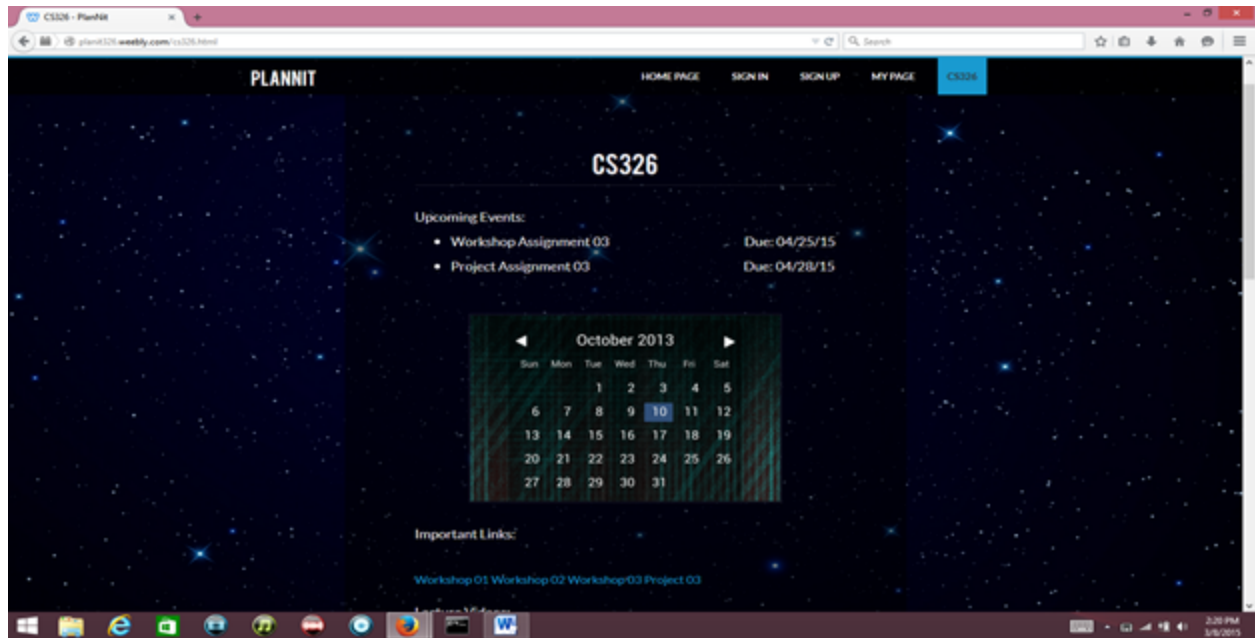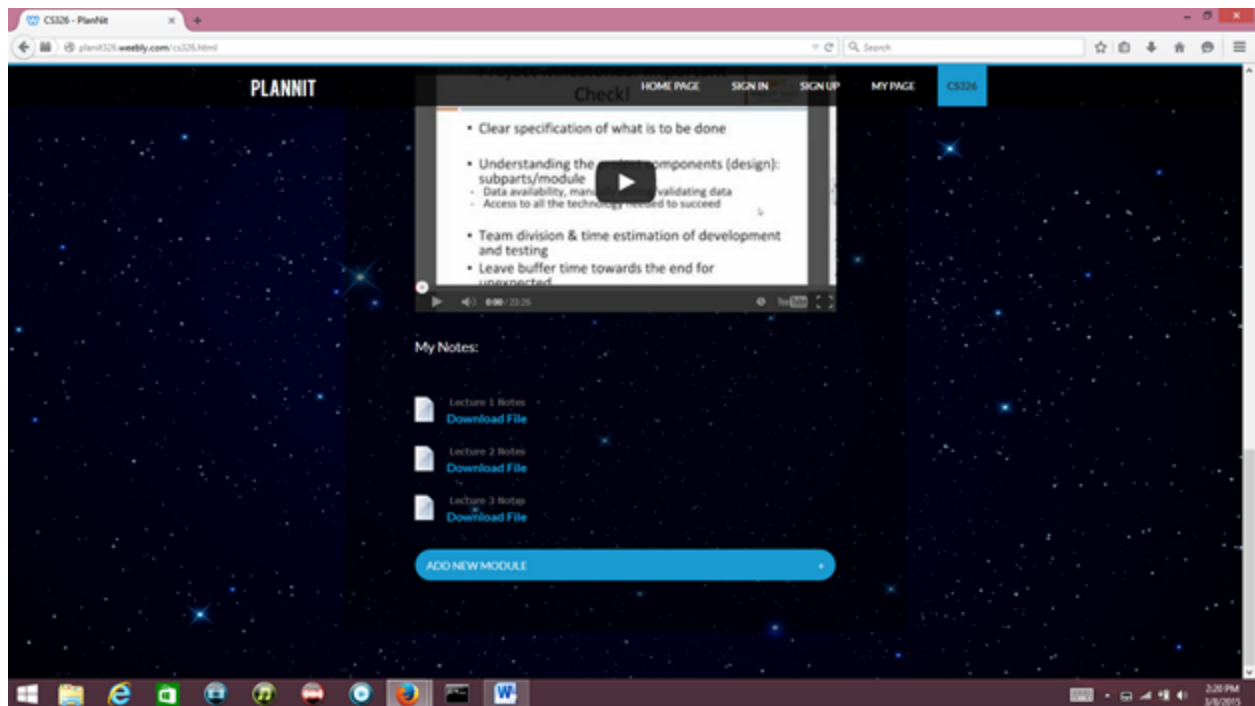
(cont.)
Other options.
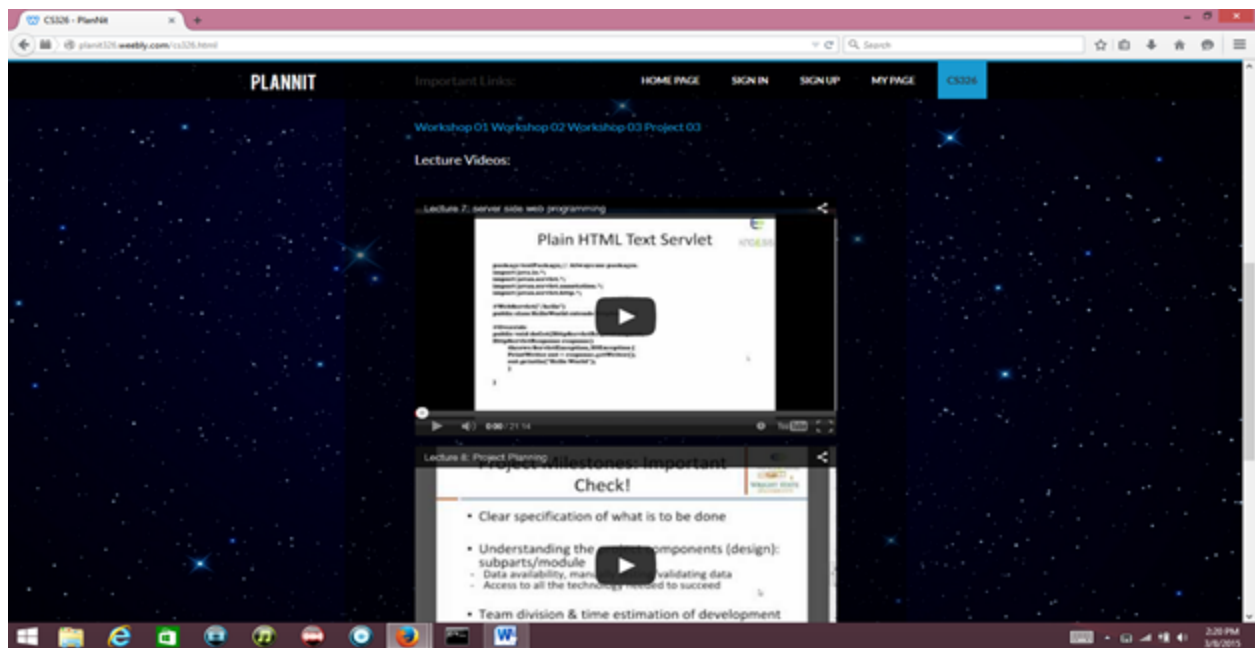
(cont.)

*All pictures in this section were created using weebly.com. We have not created any code yet to actually create any of the images above.

Open issues:

by Jake Bernstein 3/7/15

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We are still deciding how to best implement the user interface so that reflects the customization that we hope to offer the users. We are trying to create a simple look that makes using Plannit both fun and intuitive. We are also looking into creating a large variety of modules for the users to pick between. Right now, we have a few starter modules that demonstrate the use of Plannit and fit well into the minimum viable product, but we want to give users modules that apply to any situation that they deem fit. These are the open issues that we deem most important, and we will update the list as more issues are opened or current issues are closed.