

BuildIT: Milestone #2

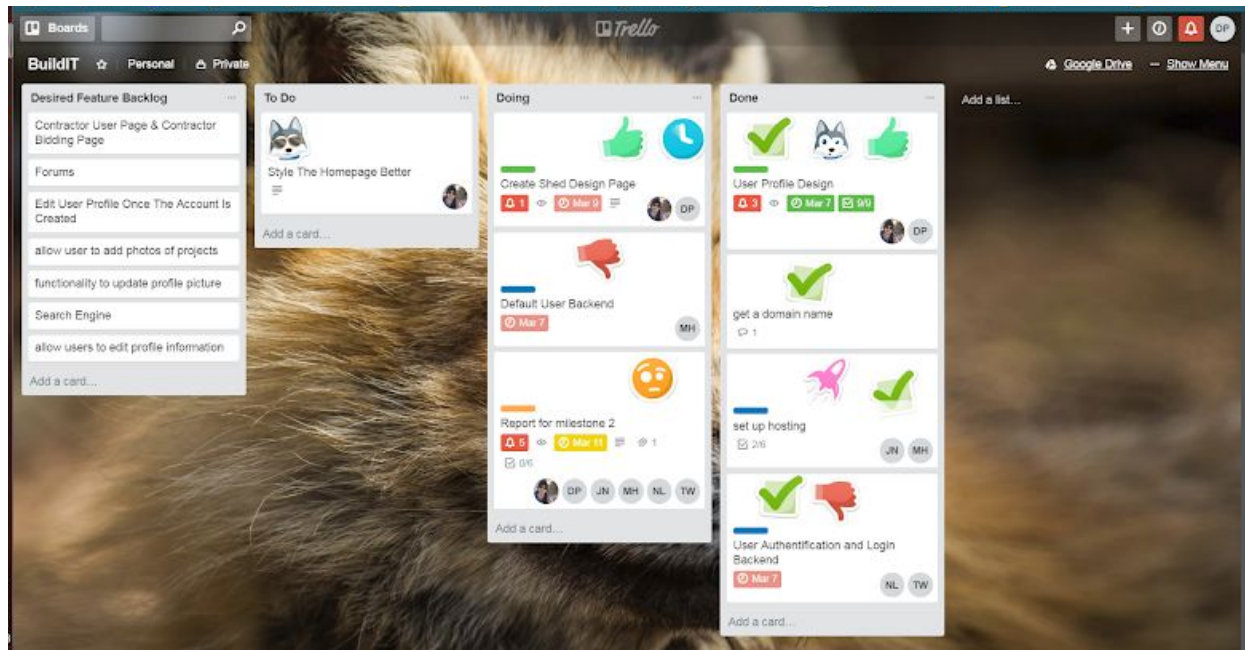
Team-Members

Dakota Parker, Ali Noor, Matthew Hanley, Norma Langdon, Terrance Whitehead

Project Management Tool

-Trello

We have actively been using Trello to effectively manage deadlines for the project. We each assign ourselves a task every week and either work on that task individually or collaborate with someone else. As tasks are completed, we move them over to our done tab, and notify the other members in the group.



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Project Requirements

Overview

<u>Must Have Requirements</u>	<u>Functional</u>	<u>Non-Functional</u>
Design Page	Y	
User Page	Y	
Login/Logout	Y	
Edit Profile	Y	
Home Page	Y	
Estimate Project Costs		Y
Project Design Visual		Y
User Uploaded Photos		Y
Store Profile Data		Y
Store Item Data		Y
Password Encryption/User Auth.		Y
User Messaging/Following		Y

Descriptions

Design Page

Prefabricated projects for users to look at and help them explore options for their shed.

Nonfunctional: HTML/PHP, interactive user interface, link to images

User Page

Page with user information, such as location, past projects and forum posts. Also methods to follow or message other users.

Nonfunctional: must store profile data

Login/Logout

A login form requiring user input to access his/her account and a working sign out button. For new members, a sign-up page.

Nonfunctional: password encryption, user authentication

Edit Profile

This would be a feature for the user to change their account information, upload their projects, and delete their account. A user can only change his own account.

Nonfunctional: store profile information in database, permissions such that users can edit their own profiles but not those of others

Home Page

A page containing information about the website and available features.

Nonfunctional: none

Estimate Project Costs

In the back end, there are functions at work estimating how much the cost of the shed would be.

Nonfunctional: store costs of individual components in database, equations to incorporate these individual components costs with some spatial multiplier

Project Design Visual

In the back end, have AutoCAD designs prepared, and in the front end, have users be able to visualize their projects on the design page.

Nonfunctional: link to AutoCAD

User Upload Photos

The user can upload images to their profile for their profile picture or of projects that they have completed or are currently working on.

Nonfunctional: store the images uploaded into a database.

Store Profile Data

All the profiles on the website are stored in a database. This later on ties into user authentication by having special keys to allow a user to access his profile.

Nonfunctional: keeping track of each user in the system by assigning a unique ID and key to their profile.

Store Item Data

Our website needs to be able to store information on different products used in creating a shed. This will rely on a backend database that we will need to build.

Nonfunctional: linking the cost of an item to an estimation after all the desired features are applied.

Password Encryption/User Authentication

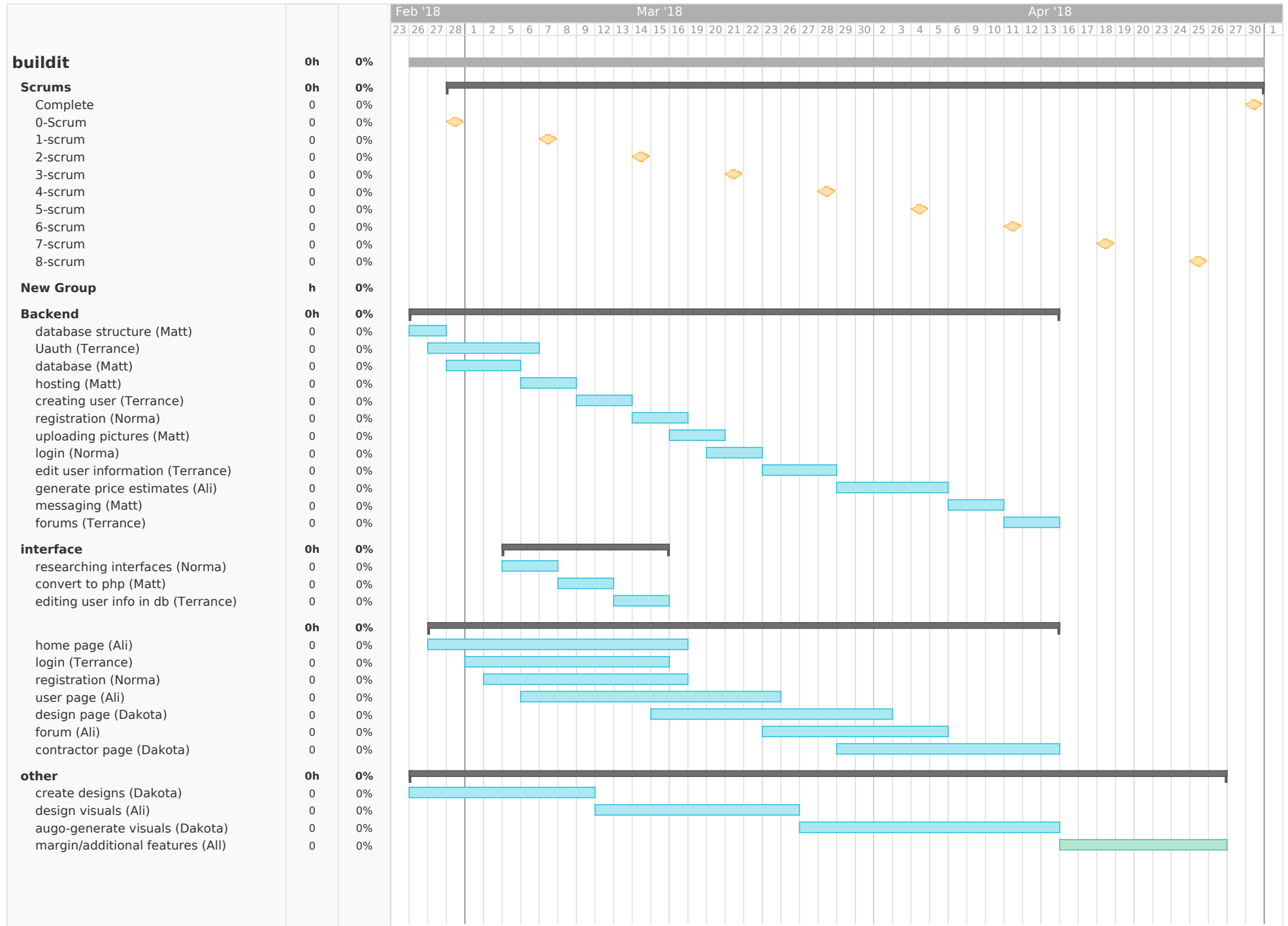
On the backend, have a functional user database to enable non-conflicting registering and login, and encrypt passwords so that they are not for people to obtain.

Nonfunctional: encryption function for each password created.

User Messaging/Following

Have a profile feature where users are able to press a follow/message button. Following a user will allow a user to see their most recent activities on a feed. When users follow each other they will be able to press the message button to privately message each other.

Nonfunctional: a message box in the page they are currently viewing. Being able to send messages privately.



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Agile Meeting Notes

Date/Time: March 7, 2018, 2:00pm-3:00pm

Questions

1. What have you completed since the last meeting?
2. What will you complete before the next meeting?
3. Describe any obstacles or roadblocks you face?

Responses

Ali Noor

1. I have completed the user page and design page layout.
2. I will continue styling the design and home page to further refine them. Also will style the create a user page. Start some ideas on a contractor page and bidding page.
3. Having an animated background for the home page. Also having easy to use UI's, so it will be hours of testing the functionality of where certain options are and how they lead to other choices.

Dakota Parker

1. Prototyped a method to help the user visualize the shed they want to build and estimate its cost.
2. The goal for next meeting is to have this implemented in Javascript.
3. The main goal faced in this will be trying to implement Mathematica methods/visualization into Javascript.

Terrance Whitehead

1. Implemented modal styling for login page and researched local hosting for the website using apache2, php, and mySQL

2. Before the meeting, will try and implement current online registration php files in modal form
3. Coding in PHP has a high learning curve, transition of modal implementation might prove hard

Norma Langdon

1. Worked on the styling of the registration page and researched user authentication in conjunction with php and mySQL.
2. Work on sign in/registration styling and other features for online registration
3. Some features may be complex such as a remember me button for user login.

Matthew Hanley

1. Established a hosting service and worked on a rough login method for users.
2. Polish the login method and work on more backend features to save user profile information (past projects, pictures, ect).
3. Using PHP and making sure the user data is secure could be difficult.

Sprint Retrospective Meeting Notes

Meeting Summary

Sprint Progress Rating : 9/10

Overall, we believe that we did a great job of making progress and reaching our goals for this sprint. All of us accomplished the things we set out to do, and no one underperformed or was overworked. What we would like to improve on for the next sprint is really assigning clear goals that have a proof of completion. A lot of our goals for this sprint were focused on research and figuring out what we needed to do. In future sprints, we don't believe this will be a problem, because most of the goals will be specific features that we can show are functioning.