
CSE-Dashboard

Team CosmicSoft

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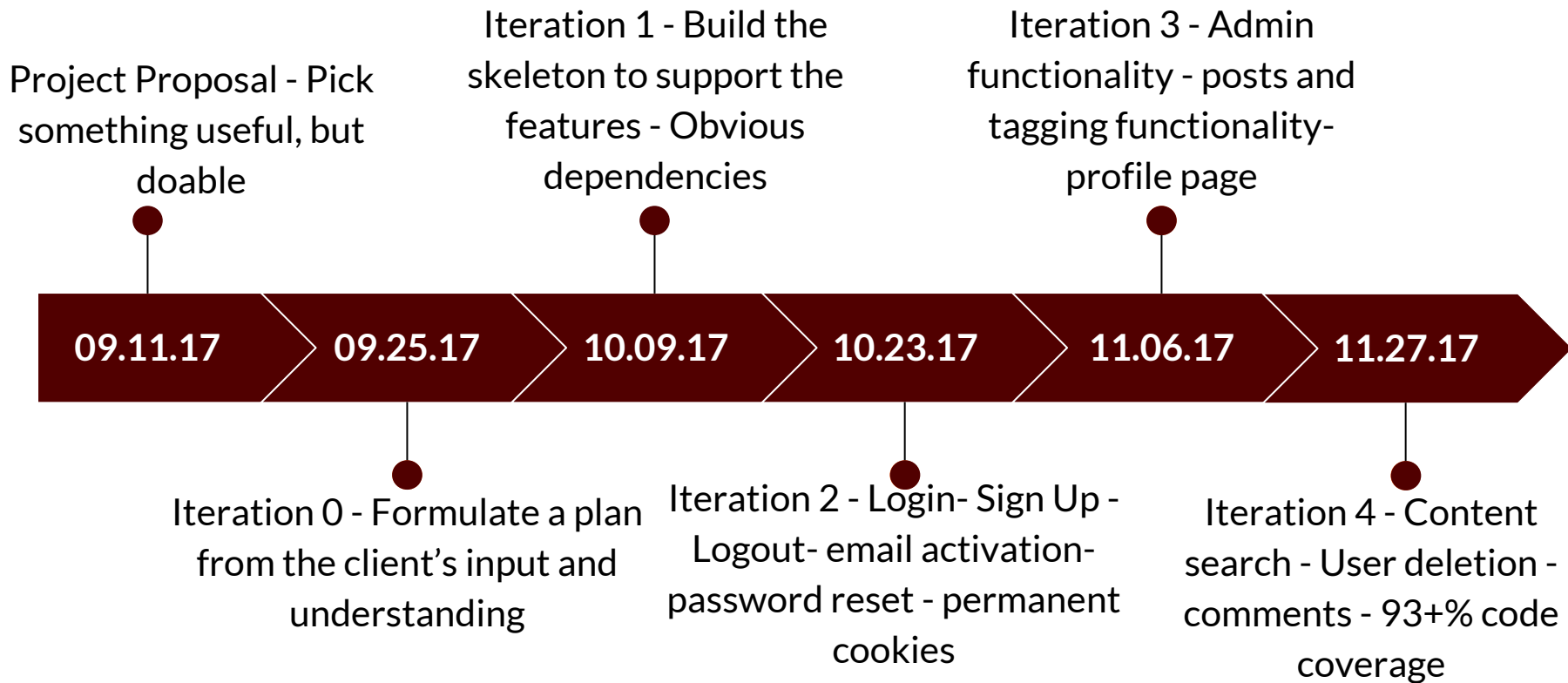
Krit Gupta

Satya Kesav

Pranoy Kovuri

Kevin Thomas Mathew

Summary



Technology Overview

- Working Environment: Cloud 9
- Version Control: Git
- Ruby on Rails
- JavaScript
- Skype/Hangouts (Virtual Meetings)
- Pivotal Tracker
- SimpleCov

Positive Practices

Communication

- Regular meetings save more time than they take
- Division of work and clarity of the same
- Clearer dependencies between modules to be developed

TDD+BDD

- Regular unit test and integration tests lead to fewer surprises
- Clear vision about working versions and points of failure
- Capybara + Cucumber

Feedback

- Clear vision of final product
 - Dynamic changes in goals between iterations through interaction with customer
 - Client driven Development - Agile!!!!
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Challenges

Communication

- Regular meetings are hard to organize and prioritize
- Parts of work will overlap and schedules that do not cooperate
- Dependencies are often unclear until it is too late

TDD+BDD

- Regular unit test and integration tests can be time consuming and slow down “progress”
- Bug fixing can lead to new bugs and pain points are hard to identify

Tools & Discipline

- New tools take discipline to integrate into existing habits
 - Problems evolve as iterations pass and so do solutions
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Design Considerations:

Admin: Delete User

- Important that Admin be able to moderate the users
- Remove those who use the site for unauthorized purposes
- Not in the Admins' best interest to remove anyone without cause

CSE DASHBOARD



Maritza Kshlerin | [delete](#)



Kade Greenfelder | [delete](#)



Cary Durgan | [delete](#)

Design Considerations:

Admin: Tagged Posts

- Admin is able to view all posts they are tagged in
- They can resolve a post and choose to filter only the unresolved posts
- Allows for clarity and simplicity of use



Design Considerations:

User: Anonymous Posts

- Users can post anonymously
- Allows for interactions and questions which may be uncomfortable for the user
- The user's identity is stored in the db and hence the message below
- This is in case the user posts something inappropriate

Post created anonymously. However, you are being watched!

Anonymous Posting Example



☒ Post Anonymous

Tag to notify administrator:

Post

News Feed



Anonymous

Anonymous Posting Example

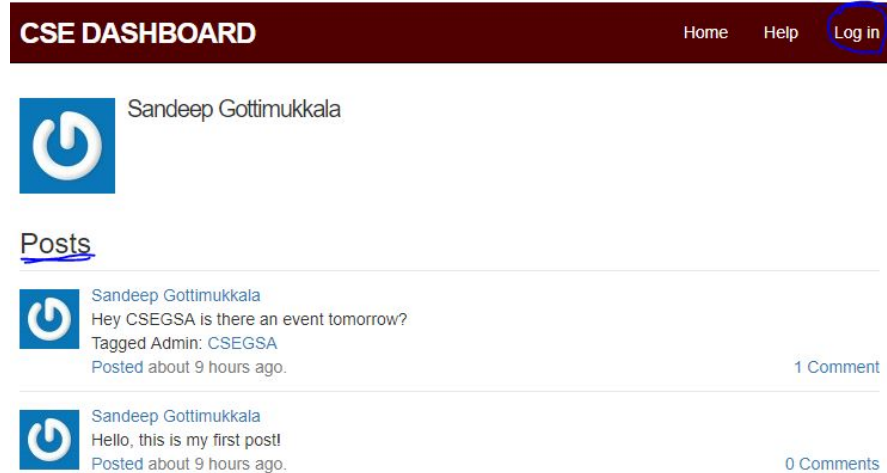
Posted less than a minute ago. [delete](#)

[0 Comments](#)

Design Considerations:

All: Browse Posts

- Since these posts are not sensitive information and would likely be better if it could be shared
- No need for an account or a login to browse the posts
- Cannot post or comment without being logged in



Design Considerations:

Shared-

- **Can post and tag Admins** - Follows our objective to create a 2-way channel of communication between the Admins and users and also among the users
 - **Can delete one's own posts** - Every person reserves the rights to be able to delete what they have posted
 - **Can comment on posts** - This will allow for dialogue between users regarding posts by both admins and other users
 - **Can delete comments on one's own posts** - Allows for some degree of ownership of the dialogue on one's own posts
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Design Considerations:

Shared-

- **Can attach images along with posts (upto 5MB)** - A picture can be worth a thousand words
 - **Can edit one's own profile**
 - **Can search using content of posts** - Making it easy to find the kind of events you are looking for, eg, Hackathons, company visit, etc.
 - **Can view any user's posts by going to their profile** - Making it easy to find what specific organizations in CSE department have to offer, eg. TAMUHack, CSEGSA, etc.
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Testing:

- BDD and TDD tests with 93.16% code coverage.
- Using Cucumber and Capybara
- Tests at every phase of building, to ensure working of every branch
- Tests of overall product covering functionality across branches

