

6.170 - Fall 2015

Team Abu Mongoose

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Occasional Thoughts - Team Plan

Stakeholders

Occasion Creator: Creates an occasion and invites people to contribute thoughts

Participant: Shares a thought about an occasion

Recipient: Receives the published version of the occasion

Tasks

Model (Server-Side):

Task	Estimated Expected Effort (hours)	Allocation
Creating a user authentication system (using Facebook API)	5 (research) + <6 (implementation)	Noor
Creating Occasion	8	Angus
Sharing Occasion (with participants and recipients)	6	Everyone
Entering a thought and adding it to the occasion	15	Noor, Angus
Publish functionality	12	Noor, Angus
Creating a database schema	3	Everyone
Supporting editing of thoughts	6	Suniyya
Support deletion of thoughts	6	Usman
Support deletion of occasion	5	Usman
Setting privacy controls for every thought	6	Suniyya

User Interface Design (Client Side):

Home page layout	5	Everyone
Sign-in page layout	5	Everyone
User's dashboard (if any)	6	Everyone
Occasion page layout	10	Everyone
Adjusting occasion page for participant based on privacy settings on each thought	10	Usman
Making widgets aesthetically pleasing/ cleaning up	10	Usman

Calendar of intermediate and final milestones for tasks

*Dates in **bold** are staff assigned deadlines

Date	Milestone
Between Nov 16 and Nov 18	First meetings with mentors
Thurs Nov 19, 11pm	Submit revised design
Fri Nov 20	UI Design for all pages sketched out
Sat Nov 21, 11 pm	User authentication, occasion creation
Sun Nov 22, 11 pm	occasion creation and thought contribution enabled
Mon Nov 23, 11pm	Complete MVP Implementation
Tues Nov 24, 11pm	Submit reflections on MVP
Wed Nov 25, 11 pm	Decide on which features to add to MVP
Fri Nov 27, 11 pm	Finish implementation of new features
Sat Nov 28, 11 pm	Functionality changes/fixes

Sun Nov 28, 11 pm	Add advanced CSS to User Interface
Dec 3	Demonstrate to mentors
	Carry out user testing/fix remaining problems
Sun Dec 6, 11pm	FINAL version of code.
Mon Dec 7 Mon Dec 7, 11pm	In class demonstration Reflections (on final)

Risks

Risk	Explanation	Mitigation
Privacy issues with sharing thoughts	A user might only want the intended recipient to view their thought. Hence, they should make their thought private and other people contributing to the occasion will not be able to see it.	Assign each thought a public or private tag
Sharing occasions with unintended people	An occasion might be shared with unintended people which can cause spam and privacy invasion.	Only Occasion Creator can make invitations. Invitation links will not be reusable.
Bots spamming the website by creating useless occasions.	Malicious attacks on the website aimed at creating traffic and wasting database storage.	Authenticate users through facebook login.

Minimum Viable Product

Our minimum viable product will address the key concepts of *Occasion* and *Thought*, by fulfilling the respective purposes of creating an occasion and contributing thoughts to it. The privacy concept will be briefly touched in the UI but will not be the focus.

The minimum viable product will allow users the following actions and functionality.

1. Login to Occasional Thoughts through user authentication
2. Create an occasion
3. Share an occasion with participants through invitation
4. Contribute a text based thought to an occasion. (Functionality for adding images will be created later.)
5. Tag a thought as private or public, where initially private means viewable only by the person who posts it and the recipient, and public means viewable by all.
6. Allow privacy enabled users to view all thoughts contributed to an occasion.
7. Publish the occasion and send the recipient a permanent link of the thought collage.

Our MVP will have standard user authentication. We will integrate facebook user authentication in the final version of the product. User dashboard, custom personalization, and all functionality pertaining the management and logging of historical occasions created by a user will be left for the final version. The MVP will only allow a user to create a new occasion but will not keep track of previous occasions created by the user.

Out of the risks described above we will particularly focus on privacy issues with sharing thoughts in the MVP. Sharing an occasion with unintended people and spam attacks are both instances of defensive designing that will be integrated into the final version later.

In terms of security, our MVP will have the ability to handle threats through XSS code injection. Session tokens and TSL for cross site request forgery will be part of the final version.

The User Interface design will be highly functionality-oriented and aesthetic designing of web pages though advanced CSS will not be addressed in the MVP. Similarly, personalized user dashboards will only be part of the final version of the project.

Our MVP will introduce the core concepts of *Occasion* and *Thoughts* to our users, and aim to impress them with high quality functionality that addresses the primary motivation of our design and fulfills the deficiencies in existing alternatives. We will allow users to provide us feedback of their user experience by filling in a comment form readily available on the landing page. This feedback will be integrated with future design ideas to create a comprehensive user friendly design.