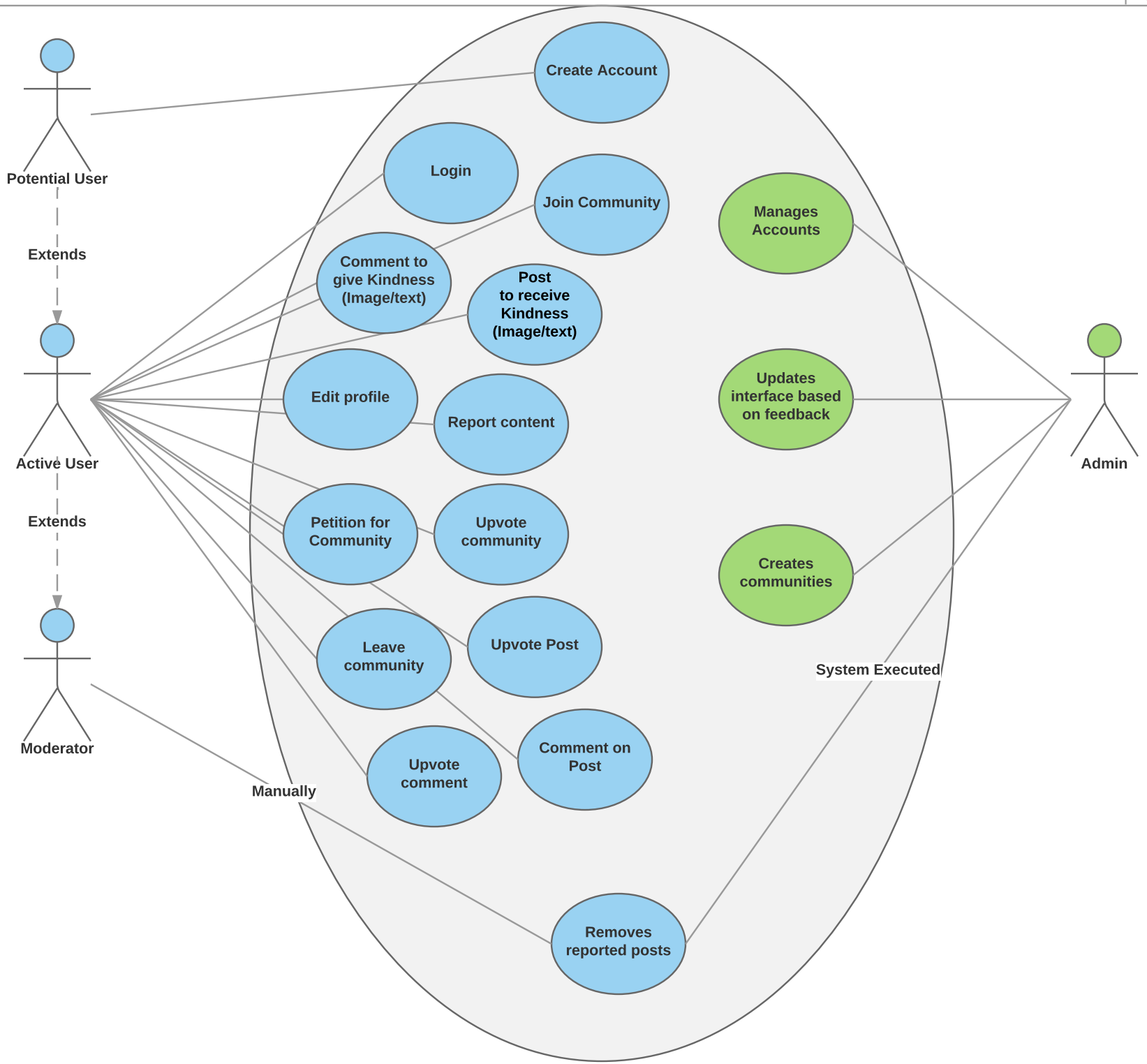
AMABLE USE CASE DIAGRAM

Jack Barry, Max Bender, Chris Cordaro, Dan Jast, Ethan Turkeltaub
| September 14, 2016



Amable Use Case Diagram Documentation

Actor Definitions:

The Actors for Amable include a potential user, active user, moderator, and admin. The potential user is defined as any person who has the ability to sign up for an Amable account. Once a user has created an account they gain the functionality of an active user. An active user is defined as someone owning an Amable account. A moderator is an extension of an active user meaning a moderator has all of the functionality of an active user and also manages a community. An active user becomes a moderator when they petition for a community to be created and the petition is successful. A moderator's role in managing communities is to review and possibly remove posts that have been flagged more than five times but less than twenty times. A Admin is defined as a person, program, or machine that acts on behalf of Amable to make changes to accounts, UI, and communities.

Actor Actions:

Potential User Actions: A potential user can create an account. An account is created by using either the Amable website or mobile application. Potential user information must be given to and is saved by Amable includes: name, email address, date of birth, and a username. Once this action is completed the potential user is now an active user.

Active User Actions:

Login- An Active user can log in to Amable with their username and password.

Join Community-An Active user can join a community, some communities will be age restricted and the system will validate the active user's age with their reported date of birth.

Post to receive Kindness (Image/Text)-Once an active user has joined a community they can post in that community and to the entire Amable population to receive kindness from only members of the community or from any Amable user. A post must be less than 140 characters and can have a larger description linked to it that can't exceed 5,000 characters.

Comment to give Kindness (Image/Text)-Once an active user has joined a community they can comment on posts in that community to give kindness to members of the community. An active user can also comment on any public post to give kindness.

Edit profile- Each active user has a profile containing a bio, picture, and feed of their posts. Active users can edit their bio and change their picture. Active users can also delete their own posts.

Report content-An active user can flag content in a community that they belong to if they feel it is inappropriate and does not align with the mission to spread kindness.

Petition for creating a Community-An active user can petition for a community that does not exist to be created. If their petition is accepted the active user who created the petition will become the moderator for that community.

Upvote a community-An active user can view communities that are currently being petitioned for creation, if they see a community they would like to see created they can upvote it. Once a community reaches 50 upvotes the community is created by the system and the moderator is set, the

active users who upvoted the community are not automatically part of the community but can join as they wish.

Leave a community-If an active user does not wish to belong to a community they can simply leave the community in an unsubscribe type fashion. Once an active user leaves a community they lose the permission to comment on posts closed to that community

Upvote a Post- An active user can upvote a post that they like and want to get more visibility. Posts with the most likes will be featured on the top posts view. The top posts view will also be filtered for recent posts.

Upvote a Comment-An active user can upvote a comment that they like. The number of upvotes on the comment will be displayed under the comment.

Provide feedback: Amable will not actively seek feedback from active users but if an active user chooses to contact Amable with feedback about design and function updates then Amable will take this feedback into consideration for the future.

Moderator Actions:

Remove a reported posts-Once a post is flagged 5 times it is brought to the moderator's attention to review. If a post is reported 20 times it is removed by the system rather than the moderator.

Admin Actions:

Manages Accounts-The system will serve as an Admin to save account information for active users. Secondly if an active user is not following the mission of Amable the Admin can revoke said user's right to participate on the site.

Updates interface & functionality based on Feedback-Active users are able to provide feedback by contacting Amable or submitting feedback through a third party. This feedback is taken into consideration when the design team considers updates to the UI and the developers consider functional updates.

Creates communities- Upon site launch since there will be no active users so the system will establish initial communities that users can join before others are created through the petition process. The system also serves as an admin in the petition process. When a community petition reaches fifty upvotes the system creates the community.

Questions & Notes from Client Interview:

How many communities will we initially have at launch and is there the availability to create new ones?

-We decide upon what the initial communities will be and how many of them there will be. Active users can then petition for communities once Amable has a following population.

-We will also automate the petition approval process - after 50 upvotes the community is created by the system.

-People can belong to more than one community.

Can we use amazon web services to load to future capacity?

-We may not need it because requirements changed to a reduced number of users and concurrent users.

-Further discussion of this can be discussed after testing overload varying upon number of concurrent users and graphically projecting solution to maximum capacity.

-Amable must be hosted on a private cloud.

Is an administration interface necessary or can it be integrated into the site/app?

-An admin area is required but it does not need to be a GUI.

Is there a budget, if we wanted to pay for a software service, external design services, and web services?

-Does not mind if we use phonegap for application development.

-No set budget within reason, work with the resources at our disposal.

Can we rename it to be different from PSN?

-Yes.

Can we change it to be kindness based?

-Yes

When someone replies to a post is it a reply as an independent post or a comment on a post thread.

-Treat comments as just that, they will be threaded onto the original post.

-Include an optional tag to user name in both comments and posts.

Is there a difference between DOD & NIST standards?

-The DOD and NIST standards mostly overlap but still have differences. DOD has a higher level of encryption (shatree).

- Instructor will email links about where to easily find these standards.

Notes from the questions, "Just five dads" asked the client:

-For community specific posts only members of the community can comment on the post.

-For the trending feed order the posts by popularity according to number of upvotes and then filter by the date (most popular and newest post is the first thing you see).

-Once a prayer is answered it will have a life that is forever. It will not however appear in your feed but will survive in the feed so long as it is popular/active. Once it has been inactive for a week then it will be removed from the news feed and not deleted

-Find appropriate number of flags to have the system delete post.

-If a user has flagged a post the system should post a warning for users to see.

-System should notify the user that they have an inappropriate post, filter for the stop words.

-Active users can only flag post within communities they belong to.

-Have functionality to search hashtags and click hashtags

-Do you automatically join a community once you up vote for it to become a community? Add them based on a checkbox option if they check yes they are added and if they check no they are not automatically added.

Date	Milestone	Tasks	Responsible	Notes
8/31/2016	Project Start	Form team: make introductions; inventory skill strengths and weaknesses; forumulate and document initial roles and responsibilities (to be modified as needed later).	All	Tasks Completed
8/31/2016	Project Start	Schedule 1st team meeting - and attempt to choose recurring team meeting times that work for everyone (can be established later); establish a communications plan (ie. share emails, cell#'s, and establish how you will stay in touch)	All	Tasks Completed. Weekly meetings are to be held prior to capping as well as on weekends as we see fit. Main methods of communication and work tracking are Slack, Github, and LucidChart.
8/31/2016	Project Start	Further develop this project plan- Think through our time management and what we will accomplish as the weeks progress.	All	Basic plan layed out. Will likely change as we progress.
9/7/2016	Team Meeting; 1st homework started	Have met at least once by the end of the day on 9/7; have started Homework #1 minimally	All	Homework 1 has been started
9/10/2016	Set up IT and Development Environments	Set up the github repository, pick and configure development tools	Ethan Turkeltaub & Max Bender	Ethan has been doing a lot to set up the development environmet and github repository.
9/10/2016	Finalize Actors/Actions for Use Case Diagram	Have met to agree upon final actors and the actions that they can take by interacting with Amable	All	Met to confirm actors as Potential User, Active User, Moderator, and Admin. This also led to a discussion about tables and attributes for our E-R diagram.
9/14/2016	Homework #1 Due!	Have HW1 done; Have this project plan completely filled in for review and comments back so we will know if we have a good plan to get to end-game. Having already interveiwd the client format notes from the interview to guide the project.	All	Complete.
9/14/2016	E-R Diagram Discussion	Have met to discuss key tables and attributes for the database design. Also have agreed upon relationships and begun work on an E-R Diagram	Max Bender, Ethan Turkeltaub, Chris Cordaro, Jack Barry	We have met to discuss the key tables and their attributes as well as the relationships between tables. Jack has started on a basic design of the E-R diagram and hopes to have a first complete draft delivered to the developers by the end of the week as seen in the next task.
9/16/2016	Complete E-R Diagram and documentation	Have a completed E-R Diagram to be handed to back end developers so that our data infrastructure can begin being built.	Jack Barry	
9/20/2016	Complete list of IT requirements	Have a comprehensive list of IT requirements that will be needed to complete the project.	Dan Jast	
9/21/2016	Homework #2 Due	E-R diagrams complete with supporting documentation if explanation is required for anything you document in your diagrams.As well as a final list of IT requirments. Be ready to speak to both in weekly status report.	Jack Barry & Dan Jast	
9/24/2016	Design & Database Discussion	Have met to discuss general layout of the UI and what functionality needs to be built into the interface to create a positive user experience. This or a separate meeting will also cover beginning steps for database development	All	
9/26/2016	Completed drafts of wireframes	Have 5 wireframe drafts completed for team review.	Chris Cordaro & Ethan Turkeltaub	
9/26/2016	Wireframe Review	Have met to review the wireframe desgins	All	
9/28/2016	Homework #3 Due	Complete mock-ups (ie. wireframes) of your user interface that have been updated based on team review.	Chris Cordaro & Ethan Turkeltaub	
9/30/2016	Basic databace instratructure complete	Have the infrastructure of the database built with the correct tables and attributes.	Max Bender, Ethan Turkeltaub	
10/2/2016	Connect database to front end UI	Have met to review and begin the process of coding interaction between the UI and the backend database.	Max Bender, Ethan Turkeltaub, Chris Cordaro	
10/5/2016	UML diags final; proj plan final	Final Project Plan - updated with all input from instructor Final UML Diagrams	Jack Barry	
10/8/2016	Begin drafting final paper	Have met to discuss the scope and format of the final paper.	All	
10/10/2016	Development check in	Have met to review the database design and become comfortable enough with it to present about it during the weekly status report on 10/12/2016	All	

10/12/2016	Database design draft	Draft database design. Database design will be the focus of this weeks status report.	Max Bender, Ethan Turkeltaud, Chris Cordaro	
10/16/2016	IT Scalability Check in	Review IT requirments and make sure that the existing environmant can scale to the user requirements.	Dan Jast	
10/18/2016	General Meeting	Have met to dicuss progress and obstacles encountered during development process	All	
10/19/2016	Mid-semester peer reviews due	Complete initial (ie. first pass feedback) peer reviews	All	
10/24/2016	General Meeting & Code review	Have met to discuss progress and obstacles during development process. The team will also review existing code for readability, efficiency, and format.	All	
10/26/2016	Draft IT requirements, including network design	Network design diagrams complete using Lucid chart.	Dan Jast	
10/31/2016	*Network Design Documentation*	*Network design now has complete documentation*	Jack Barry & Dan Jast	
10/31/2016	Finalize Database Design	*Have met to discuss updates made to the databse design based on instructor feedback. Document these updates for housekeeping*	All	
11/2/2015	Homework #4 Due	Database prototype complete	Max Bender, Ethan Turkeltaub, Chris Cordaro	
11/9/2015	First Demo of Prototype	Complete project prototype first-pass demo ready	All	
11/16/2015	User Validation & Test plan finalized	Test plan for all aspects of the prototype complete User validation tests to be performed by client documented	Ethan Turkeltaub & Max Bender	
11/23/2015	Client Visit	Updates to user validation complete (as required) One key question to ask the client dcoumented	All	
11/30/2015	Draft Documentation	All documentation required for the project in Draft form	Jack Barry & Dan Jast	
12/7/2015	Paper Due - Final Documentation	All documentation required for the project in FINAL form	Jack Barry & Dan Jast	
12/7/2015	Final Peer Evaluations	Complete final peer evaluation forms and submit	All	
12/14/2015	FINAL PRESENTATION!	Git er dun!	All	

Status Report - *Amable*			
Date 9/14/2016			
RGY	**Item**	**Description**	**Mitigation / Help needed**
Green	Form Team	Gather an eilte team of technology professionals	
Green	Exchange contact info.	Establish method of communication - Slack & Github	
Green	Initial meeting	Meet to discuss responsibilities and timelines	
Green	Project Planning	After initial meeting we can now lay out project goals and tasks in a formal way	
Green	UML Use Case Diagram	Create use case diagram and supporting documentation to represent agreed upon actors and the actions they can perform by interacting with Amable.	
Green	Database Discussion	Discuss key tables and attributes that we want to be included in our database design. Also discuss the nature of the relationships between out tables.	
Green	IT requirements Documentation	Gather and document requirements from an IT perspective so that we know how to plan and scale development.	
Yellow	E-R Diagram	Create an E-R diagram with supporting documentation that represents out database design	Jack is working on the E-R diagram and is only limited by time contraints. Hope to have the diagram finished by the end of the week so that Max, Ethan, and Chris can begin working on development.