

Listify

Team Phil: Bruno Prael, Max Lancaster, Spencer Kim, Phil Ou

Tasks (in no particular order)

- Implement MongoDB schemas for Users, Rankings, and ConsensusRankings (est. 2 hr)
 - Create MongoDB static and instance methods for each
- Implement user creation and login/logout (basic version est. 6 hrs)
 - Incorporate passport.js for user authentication (est. 3 hrs)
- Allow users to create basic, empty lists (est. 6 hrs)
 - Allow users to create private lists (est. 5 hrs)
 - Allow users to create public lists (est. 3 hrs)
 - Allow users to set expiration timeout for rankings (est. 2 hrs)
 - Allow users to manually end polling for a ranking (est. 3 hrs.)
- Implement drag and drop from pool of options to ranking (est. 2 hrs for basic version, 6 hrs for full version)
- Allow users to submit their rankings (est. 8 hrs)
 - Allow users to view their submission, but deny ability to resubmit (est. 5 hrs)
 - Authenticated users (est. 2 hrs)
 - Anonymous users (est. 3 hrs.)
- Allow list creators to input text, images, and links into an item for ranking (est. 1 hr)
- Allow users to send invitations to other Listify users to submit a ranking on their list (est. 2 hrs)
- Allow users to send invitations to anonymous (users without Listify accounts) users to submit a ranking on their list (est. 3 hrs)
- Implement a basic consensus algorithm (est. 2 hr)
- Refine the consensus algorithm and implement a more sophisticated version (est. 4 hrs)
- Implement Social Feed (est. 14 hrs)
 - Trending Lists - show the rankings that are receiving the most submissions right now (est. 5 hrs)
 - Most Recent Lists - show a number of rankings that were published most recently (est. 4 hrs)
 - Implement following/unfollowing (est. 3 hrs)
 - Implement email notifications when a followed user publishes a ranking (est. 2 hr)

Calendar

Date	Task	Team Member(s)	Notes
11/18	Basic Drag and Drop*	Phil	Completed
11/19	Initialize MongoDB Schemas*	Max, Spencer	
11/20	Creating Rankings , and allowing for responses*	All	
11/20	Basic user capabilities/ private and public lists*	Bruno	
11/20	Allow creator to manually end polling*	Max	
11/21	Custom Items : text, images, links*	Phil	
11/21	Invitations for Listify users*	Spencer	
11/22	Basic consensus algorithm*	All	
10/25	Polished Drag and Drop	Phil	
10/25	Allow creator to set expiration time for ranking	Bruno	
10/30	Improved consensus algorithm	All	
10/30	Robust Authentication using passport.js	Spencer	
10/30	Invitations for anonymous users	Phil	
12/4	User following/unfollowing	Max	
12/8	Finished social feed - trending and most recent	Max/Phil	
12/10	Polished User Interface	All	

* Indicates MVP

MVP

- Identification
 - Our MVP will allow users to create a Listify list, submit rankings to that list using a drag and drop feature, and view the consensus for that list after a group of respondents have responded
- Concepts - We plan to include our three main concepts in the MVP. Those concepts are listed below. To read more about them, please refer to our Design Doc. Though they may not be fully developed for the MVP, we will need an implementation of each.
 - Rankings
 - Invitations
 - Items
- Postponements
 - Feed displaying public lists other users have created
 - Trending lists
 - Most recent lists
 - Following/unfollowing users
 - Robust Authentication
 - Email notifications when a user you're following publishes a public ranking
 - A more thorough, sophisticated algorithm for aggregating a consensus ranking based on individual rankings
 - CSS to make the application look more like the wireframes
- Value to Users
 - Unlike "Pick One" polling, Listify factors in people's opinions of every option relative one another instead of which option the majority people like the most. This is a much more illustrative way to gauge the general opinion of a group and allows people to reach consensus faster.
 - Listify allows users to visualize and rearrange their preferences before submitting. Other applications simply allow the user to select the best option from a list of options, without providing the opportunity to create different permutations to help users really generate their true preferences.
- Opportunities for Feedback
 - We're mainly concerned with how intuitive the design of our application is. Can users know exactly how to interact with our application? Is it easy for them to understand what is happening after each interaction? Do they feel this is an easier way to gauge opinions? These are the main questions we'd like to see feedback about.
- Path to Full Product
 - The MVP will have the core functionality of the application, which accomplishes our goal of allowing groups to achieve consensus on rankings. For the full product, we'll add on additional queries and views to display things like Trending Rankings. We'd also have to add additional elements to the user

schema to support following and unfollowing. Lastly, we'd have to add an external api to support emailing notifications to users.