CoFridge : Project Plan

Tasks (Tiange)

Proof of concept (Fri, 11/19) _____ color code_____
MVP (Wed, 12/1) _____ color code_____
Finished product (Web, 12/8) _____ color code_____

Feature & Page	Concept	Subtasks	Notes
Project setup : Basic setup of express and vue, error response display for debug			
Transact	Group ("fridge")	Create fridge	_Name*, zipcode/street*, ifPubliclySearcheable*, description, fridge door* (cover) (assigned), id* (assigned)
		Delete fridge	
		Modify fridge	
		Join fridge	
		Add to fridge	_Add users to fridge
		Share fridge	_Another way of adding users
		Search fridge	
		Exit fridge	
		<Visualize fridge content>(optional)	
	Item	Create item	_Item name*, whether it is an offering item or a need item*, grocery category*, photo*(not required for need), fridge it belongs to*, choose days till expiration exp. date* _Offered by (author)* (assigned) _Pick up time(s)* _free/lend/swap

		Modify item	
		Delete item	
		Request item/ Claim need	_Select from pick-up time(s)*, note
		Search item	
Track	Participation	Visualize participation & contribution (i.e github)	_ Type: give/take _ Times/frequency
		Count points	
		Assign magnet	
Tribe	Friend	Add friend	_Option to turn on notifications
		Search friend	
		Delete friend	
	Magnet (optional for now)	Add/place magnet	_ Has to be part of a fridge to do it to that fridge
		Update magnet	
		Remove magnet	
User	Authentication	Sign up, Sign in, Sign out	_add profile picture
	Account	Update profile picture	
		Update profile	
		Update password	
		Delete account	
Error handling & messages	Erroneous action & routes	Handling erroneous actions	
		Handling erroneous routes	
404-page	Congrats messages	For creating the first fridge	
		For joining the first fridge	

		For creating the first item	
		For receiving the first magnet	
UI/ Visuals : Basic setup of express and vue, error response display for debug			
Fine-tune all implemented functionalities			
Fine-tune user experience (i.e. auto-completion, auto-tracking expiration date, etc)			
Fine-tune UI/visuals (i.e. responsive web, smooth transitions, effects, etc)			

Timeline (Tiange)

Milestone & Date	Must-have	Good-to-have	Assignee	Status
Proof of concept (Fri, 11/19)	**Basic setup of express and vue, error response display for debug**		Tiange	
	Create, modify, delete, search fridge		Charles	
	Create, modify, delete, search item		Yingchen	
	Sign up, Sign in, Sign out	Link to Google account, etc	Tiange	
	Update username, password, delete account			
	Add, search delete friend			
	Handling erroneous route (404 page)		Tiange	
	Handling erroneous actions pertaining to the actions implemented above (middleware & frontend response)		All (Charles, Yingchen, Tiange, Nemo)	
MVP (Wed, 12/1)	Join, add to, share, exit fridge			
	Request item, claim need			

	Visualize participation			
	Count points			
	Update profile picture			
	Handling erroneous actions pertaining to the actions implemented above (middleware & frontend response)			
	Congrats messages			
	UI/Visuals			
		Bonus - Assign, place, update, remove magnet		
		Bonus - Visualize fridge content		
		Put fridges on the map		
Finished product (Web, 12/8)	Fine tune implemented functionalities			
	Fine-tune UI/Visuals			
		Bonus - Fine-tune user experience (i.e. auto-completion, auto-tracking expiration date, etc)		
		Assign, place, update, remove magnet		
		Visualize fridge content		

Tentative Pages

- Sign-up & sign-in

- Shared (fridges, items)
- Public (fridges, items)
- Fridge profile
- User profile
- Account setting
- 404

Challenges/unknowns/optional things
- Automatic category completion/recognition
- Automatic association of type of grocery with expiration date
- Map API

Middleware (Will fill them out later as we implement code)

Feature	Concept	Subtasks	Middleware function name
Transact	Group ("fridge")	Create fridge	
		Delete fridge	
		Join fridge	
		Add to fridge	
		Share fridge	
		Exit fridge	
		<Visualize fridge content>	
	Item	Create item	
		Modify item	
		Delete item	
		Request item	
		Create need	
		Claim need	
Track	Participation	Visualize participation & contribution (i.e github)	
		Count points	

		Assign magnet	
Tribe	Friend	Add friend	
		Delete friend	
	Giveaway	Create giveaway	
		Modify giveaway	
		Cancel giveaway	
	Magnet (or Post-it)	Add/place magnet	
		Update magnet	
		Remove magnet	
User	Authentication	Sign up	
		Sign in	
	Account	Update profile picture	
		Update profile	
		Update password	