

Tasks and Milestones - Tasks

Task Name	Team Member	Expected Difficulty		
Configure Initial project	Maryam	Low		
Google Maps Frontend				Color Legend:
Google maps displaying spot info (location, name, rating)	Nishchal	Medium		MVP
Google maps creating a new spot	Nishchal	High		Final Handin
Limit Map to MIT campus	Nishchal	High		
Map display update in response to query	Nishchal	Medium		
React Frontend				
Frontend for login	Bob	Medium		
Add spot frontend	Bob	Medium		
Spot search results page	Bob	Medium		
Spot details page	Bob	Medium		
Spot search main page	Bob	High		
Spot Model				
Add queries	Isaac	Medium		
Create way to add new spot	Isaac	High		
Create way to add review to spot	Isaac	Medium		
User Model				
Create User model	Maryam	Medium		
Review Model				
Consolidate reviews	Isaac	Medium		
Add ratings to reviews	Isaac	Medium		
Tag Model				
Add handling for custom tags	Isaac	Medium		
Create tag queries	Isaac	Medium		
Routing				
Require authentication on all access	Maryam	Medium		
Register middleware handlers as necessary	Maryam	Low		
GET all Spots, unique Spot, user, spots for a User	Maryam	Medium		
POST Spot, Review, User (create, login, logout)	Maryam	Medium		
DELETE a Spot	Maryam	Medium		
Error handling	Maryam	Medium		
Code Review	All	Low		
Rep Frontend				
Frontend for scoring user reviews	Bob	Medium		
Frontend for users seeing their own Rep	Bob	Low		
CSS				
Create CSS styling	Nishchal	High		
Authentication				
Integrate authentication system	Maryam	Medium		

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Rep Functionality				
Give user overall rep	Isaac	Low		
Use score to update rep	Isaac	Medium		
Unit Tests				
Spot tests	Isaac	Medium		
User tests	Maryam	Medium		
Review tests	Isaac	Medium		
Tag tests	Isaac	Medium		
Tests for each route (?)	Maryam	Medium		
Report System				
Create frontend for reporting a spot	Nishchal	Medium		
Implement backend functionality to automatically delete spots	Isaac	Medium		
Revise initial design	All	Medium		
Create React frontend for Spot reviewing	Bob	Medium		

Tasks and Milestones - Milestones

Milestones	Deadline
MVP Code HandIn - Spots, Google Maps, Models, Basic UI	11/23/16
Peer Reviews	11/28/16
Revised Design Model [1]	11/30/16
Demo to Mentor	12/07/16
Security Review	12/10/16
Error Handling Review	12/10/16
Ensure that code/ ideas are cited appropriately	12/10/16
Final Code Handin	12/12/16
Project Presentations	12/12/16

Notes

[1] We're assuming that as you work on the MVP, you'll be thinking about your design and noting any changes you need to make. Then you'll need to get together as a team discuss what changes you might need to make to your design, and then document them. I'd estimate that there's about four hours of work for each team member in that, so if you take the whole weekend off for TG, you'll have all of Monday and Tuesday, and Wednesday morning to do it. Of course it'd nice if there was more slack in the schedule, but we don't want your design work to be an afterthought, so we're concerned that delaying the revised design would encourage you to forge ahead with coding new design ideas before thinking them through, and that would cost you in the long run.