

No.	Name	Description	Priority (1 = Highest, 3 = Lowest)	Rationale
Users				
1	Sign up Information	The user shall login to their account using:	1	
1.1		- username	1	
1.2		- password	1	
2	Login Information	The user shall create an account including:	1	
2.1		- username	1	
2.2		- password	1	
2.3		- date of birth	2	a constant piece of data to tie to their age
2.4		- personal email	2	so that we can send them daily reminders, updates, etc
2.5		- USC ID	3	to identify the user
2.6		- year in college / postgrad		so that we can verify the user is not in hs is in under/post grad
3	Guest Access	The user shall be able to access core features without being logged into an account	1	
4	Game Feature	The user shall be able to have a streak:		This will keep engagement of the users up so they have a reason to tune in every day
4.1		- based on number of consecutive days they have logged on	1	This is how most streaks work so that it only logs the days in a row you log in
4.2		- streak only increments if the user logs in that day has completed atleast one	1	so that a user can't just log in and increase their streak, they have to actually interact every day to keep a streak
5	Language Support	The user shall only code in supported languages versions	1	This will make sure the users code can be functional code
6	Github Connect	The user shall be given an option to add their github to their account	1	
7	Code Structure	The user shall be given an option to use prebuilt libraries or use manual solution	1	This is so users in freshman sophomore courses can practice their understanding of array based indexing
Contributors				
8	Justification	The contributor shall justify their answers from computer science theories	1	It ensures the contributors truly understand the problem solution
9	Respectfulness	The contributor shall only respond to users questions in a respectful manner	1	This rule ensures the platform is encouraging environment
10	Community Conversation	The contributor shall comment on user questions	1	This creates a community where users can seek contributors help
11	Community Conversation	The contributor will be able to post questions for other contributors users to answer	1	This ensures everyone has a chance to contribute
12	Word Requirement	- the question may not be longer than 150 words	1	This keeps the question from being too long. If it's too long it probably wouldn't be something on an interview anyway
13	Definition of contributor	Contributors shall have a 2 year window post graduation to continue using the site	2	This ensures only recent graduates can use the website
14	Spam Prevention	Contributors shall not post promotional posts or spam content	1	This prevents useful content from being overlooked
15	Academic Integrity	Contributors shall not share solutions to any classroom related content or school assignments	1	This maintains the users academic integrity
16	USC Student Exclusivity	The contributor shall have a verified USC .edu address given the option to add it	1	This ensures that only students recent graduates can contribute to the website
Administrators				
17	Post Permission	The system shall determine if a user should be granted permission to post a question	2	MH (I'm writing the descriptions later where I mark)
18	Post Criteria	The user will be granted permission if they are signed into an account		
19	Post Criteria	The user will be denied permission if they are signed into an account		
20	Contributor Title Criteria	The user's account will be updated to a contributor title if they are granted permission to post a question		
21	Comment Removal Guideline	The system shall remove comments that receive a total like count of less than -100 (36, 36.1)	2	MH I changed this one because I feel like 100 downvotes depends on the context. If a post has 100 downvotes but 1 million upvotes obviously it should stay up but if it has 100 downvotes 5 upvotes it should be taken down. Look at what I wrote for 36
22	Comment Algorithm	The system shall put comments with the largest amount of likes towards the top of the post		This is so that the most helpful liked comments are more easily seen by users looking for solutions
Questions				

23	Question Criteria	The contributor shall create a question with the following information: - Title (Between 3 - 50 characters) - Description - One or more Test Cases (Refer to requirement....) - On or more hints					
23.1							
23.2							
23.3							
23.4							
24		The User shall view a Question, with the following details by default					
24.1		- The user shall see a list of hints					
24.2		- The user shall view a specific hint for a question					
25		The user shall be able to filter questions based on difficulty.	MH				
26		The user shall be able to select questions with the difficulty of easy					
27		The user shall be able to select questions with the difficulty of medium					
28		The user shall be able to select questions with the difficulty of advanced					
29		The user shall be able to filter questions by classes a user has taken.	MH				
30		The user shall be able to filter questions by the year they are in college / postgrad	MH				
31		Each question shall hold data related to the total like amount	I think this is important to keep track of for determining whether a post should be kept up or not				
31.1		- the total like amount is determined by the number of upvotes minus the numb	This is so that only posts with more significant more downvotes than upvotes should be deleted				
32	Duplicate Questions	The system shall prohibit users entering duplicate questions	1				
Solution							
32		The logged in User shall enter a solution to a Question with the following information:					
32.1		- written description					
32.2		- A code file					
32.3		- A picture					
33		The solution contains a sum of up down votes					
34		The user shall upvote a solution					
35		The user shall be able to see how they did on their response	MH				
36		The response to the user if they got it correct is "CORRECT!"					
37		The response to the user if they got it partially correct is "OKAY!"					
38		The response to the user if they got it incorrect is "INCORRECT."					
39	Concept Understanding	The user shall be given an option to explain their problem solving process in th	2	Writing out their thought process truly test whether the user understands the coding logic and pinpoint gaps in their understanding			
Question List							
39		The user shall filter the list of questions by:					
40		Difficulty					
41		Course					
42		Role					
43		Theory Concept					
Dashboard / Gamification							
44		The system shall award achievements to users based on:	3	MH			
45		Updating the users streak					
46		Increasing the users leaderboard rank					
47		The users level will increase after a certain amount of correct answers					
48		The user shall be able to see how many days in a row they've logged in to update their streak, based on:	MH				
49		The user must be signed in to an account					
50		The user must have answered at least one problem to update the streak					
51		Upon the user not logging in completing a practice problem. The users streak will reset					
52		The user shall have the ability to set the amount of time they want to allow themselves to complete a problem	MH				
53		The user will not be able to work on the problem anymore when the timer is finished.					

54	In the event that the user finishes before the timer hits 0, receiving a "CORRECT" grade. They will receive bonus points towards the leaderboard					
55	The user shall be able to receive hints for problems they are having trouble with completing	MH				
56	The user shall be able to receive 3 levels of hints, each deducting point from their overall total score slightly	MH				
57	The users first hint shall be a easy level hint, deducting the users score by 1%					
58	The users second hint shall be a medium level hint, deducting the users score by 2.5%					
59	The users third hint shall be a more advanced hint, deducting the users score 5%					
60	The system shall provide users with a dashboard summarizing performance metrics such as:	MH				
61.1	- accuracy					
61.2	- completion time					
61.3	- questions completed (Not out of a certain amount)					
64	The users shall be given the option to create topic specific threads					
65 Interview Experience	The users shall be given the option to share their technical interview experience	2 This helps boost community engagement to show students the reality of technical interviews				