

2022

PS1 Code Judgement Rubric

ONLY CODE JUDGES SHOULD BE USING THIS VERSION OF THE RUBRIC!

Judge (not shared with students):	
Judged Team (name or number):	
Date:	

Rubric: Code Judge 0 of 11



Instructions: for each requirement, mark the box that most closely aligns to your impression of the solution given the prompt. Your judgments here should reflect how well the solution satisfies the directions in the problem statement and the team's presentation as well as your own review of the solution's source code. Aesthetic appeal of a solution is <u>not</u> more important than functionality. If a solution is not pretty but otherwise meets a requirement, that counts as reasonably satisfying that requirement. Keep your expectations high, teams had a whole month to work on this. DO NOT FEEL OBLIGATED TO AWARD HIGH SCORES! In the case that a solution attempts to "satisfy" a requirement by making it *look* like it works via the Ul/demo code but the required feature is actually non-functional, a score of 0 is appropriate. Also, note that you do not have to fill this rubric out in order!

Solution Functionality Review

[total weight: 100]

Requirement(s) to Reference	Score				
	0	1	2	3	
	Missing or Completely Non-functional	Attempted But Does Not Meet My Expectations	Meets My Expectations	Exceeds My Expectations	
	You do not l	You do not have to login before being able to view questions/answers. [weight: 2]			
	Providing random login credentials <i>does not</i> allow you to log into the system of successfully. [weight: 2]				
Requirement 1 Requirement 2	Providing the correct login credentials <i>does</i> allow you to log into the system successfully. [weight: 2]				
Requirement 3 Requirement 6					
	<u> </u>	dy logged in, you should RL/link used to create a	ccounts when you're n	~	
	You can create a brar	nd new account via a re using the account	you just created.	can login successfully	

Rubric: Code Judge 1 of 11



	You can view and create questions, answers, and comments pursuant to the level-base restrictions outlined in the problem statement text. [weight: 4]			
	~	and receive points by or pursuant to the level-bastatement [weig	pased restrictions outlinent text.	- -
	You can attain increasingly powerful "levels" as an authed user by maintaining a certain threshold of points outlined in the problem statement text. [weight: 5]			-
	The Buffet view (the page that lists the latest/sorted questions in the system) is to look at, elegant, and ergonomic. It is pretty simple to figure out and use. It is appropriate components spelled out in the requirement text and provides the fur spelled out at each bullet point. [weight: 5]			
Requirement 2	You can sort question	s by "most recent," "be in the problem [weig	statement text.	or "hottest" as defined
Requirement 3				
	For each question, you can see the profile picture and other information of the user that created it. [weight: 1]			ation of the user that
		A views support creating per previewed as render weig	•	

Rubric: Code Judge 2 of 11



	You cannot create a question with a title longer than 150 characters or a body longer than 3000 characters. [weight: 1]					
	The Q&A view (the page that displays a specific question, its answers, and related comments) is pleasant to look at, elegant, and ergonomic. It is pretty simple to figure and use. It has the appropriate components spelled out in the requirement text and provides the functionality spelled out at each bullet point. [weight: 5]					
	The Q&A view supports creating new answers written in Markdown . New answers can be previewed as rendered Markdown before being submitted. [weight: 3]					
	You cannot create an answer with a body longer than 3000 characters. [weight: 1]					
Requirement 3	Answers appear sorted by total or "net" votes (upvotes minus downvotes) with the highest appearing first. Comments appear in order of creation (oldest first). [weight: 1]					
	You cannot create new answers if your account has less than 1 point. [weight: 1]					
	You can accept one and only one answer as the "accepted answer" to your question obvious which answer is the accepted answer. [weight: 2]					
	-	answer shows informat profile picture and that ι weig				

3 of 11



				1
	statement. You may you cannot access them for you. Also	need to use multiple his such accounts, plean, note that these votes	questions pursuant to the gh-level accounts to test ase contact us in Slact are per-app only (in-proble in another team's so that: 4]	st this functionality. If ck and we'll create ogress votes in one
	pleasant to look at,	elegant, and ergonomic components spelled o functionality spelled o	vate messages or "DM c. It is pretty simple to f ut in the requirement to ut at each bullet point. ht: 5]	igure out and use. It
		ould create two accour test	vately with one another of the open in two differenthis. [ht: 2]	
Requirement 4	Message subjects are	e limited to 75 characte	ers and bodies are limite	ed to 150 characters.
	Mes	• • • • • • • • • • • • • • • • • • • •	sible order in the Mail v	riew.
		n be previewed as ren	sages are rendered as dered Markdown befor ht: 3]	
Requirement 5	pleasant to look at, e	elegant, and ergonomic components spelled o functionality spelled o	ers to view information c. It is pretty simple to f ut in the requirement to ut at each bullet point. the price of the pri	igure out and use. It

4 of 11



	The Auth view (the page that allows you to login and/or register) is pleasant to look at, elegant, and ergonomic. It is pretty simple to figure out and use. It has the appropriate components spelled out in the requirement text and provides the functionality spelled out at each bullet point. [weight: 5]			
		s: usernames and ema	r username to register i il addresses must be u ht: 1]	
Requirement 6			re restricted from loggin w many attempts they ht: 2]	
	can login using "re logged in afterwards login again without same way, you shou	member me," complete When you disable "re using "remember me") Id no longer be logged atures" are disabled if	e" functionality to stay I ely exit the browser, recommember me" functional and you exit and relaution. NOTE: ensure the fyou're having trouble the: 2]	open it, and still be lity (i.e. log out, then nch the browser the browser's session
Requirement 7	password. This shou visiting the Auth vi	ld be available through ew. You <u>MUST</u> be for our old "forgotten" p fail	e to regain access to an a "forgot password" lin ced to set a new pass password which would ure. ht: 2]	k of some kind when word and should
Requirement 8	The app has a navio	data (for authed user	BDPA logo, app title, as) visible in all views. ht: 2]	and a subset of user
Requirement 9	Any user (including g	uest users) can search	n for questions in the sy	stem pursuant to the



	criteria listed in the problem statement text, including sorting results. [weight: 1]				
Requirement 10	The upvote/downvote counts of visible questions, answers, and comments in the Q&A and Buffet views eventually update on the screen automatically when changed in the backend without you having to press a refresh button or take any other actions. You can test this by creating multiple users who view, upvote, and downvote the same questions, answers, and comments. [weight: 4]				
Requirement 12	When viewing lists of questions, answers, comments, etc., all of these results are paginated in an aesthetically pleasing way. See the text of the problem statement for more details. [weight: 1]				
Requirement 14	registration form whe lot of data, the app d icon or some other something to happen internal error messag	en you press submit wit oes not freeze or prese loading indicator while in response to user in les or warnings anywhe ution never crashes, ne	en. You don't lose all yeth invalid data, for instatent a broken UI but instatent a broken UI but instated waiting. You are never put. The app never "breere on the page, the batever any HTTP 500 erro	nce. When loading a ead shows a spinner waiting too long for eaks," never displays ckend server hosting	
	simulate this is by u to the left until it c	sing your mouse to d annot shrink anymore creen. Is the app still u	mall smartphone-sized frag the right edge of e. This shrunken colu sable in this state? Is it ht: 2]	the browser window mn represents the	
Requirement 15	this, make your bro	owser window half the mulates the size of a visually p	medium tablet-sized se size of your screen tablet screen. Is the ableasant? ht: 1]	(try windows key +	



The app looks good when you view it on a normal desktop/laptop screen. Ensure the browser window is maximized. Is the app still usable? Is it visually pleasant? [weight: 2]			
Overall, you feel this solution is easy to use. [weight: 1]			
Overall, you feel this solution is beautiful to look at. [weight: 1]			
Overall, you feel this solution functioned well. App functionality that worked fine when the browser window was maximized did not suddenly break when you shrunk the browser to simulate a smartphone or a tablet. [weight: 1]			

Rubric: Code Judge 7 of 11



Instructions: for each of the five criteria below, mark the box that most closely aligns to your impression of the solution's source code after your review. Does their source code meet your expectations of quality? If you notice source code that seems strangely out of place, overly complex, extremely nonsensical, suspiciously unformatted or very badly organized syntactically, or you otherwise infer that students copy-pasted/plagiarized part of their solution's source code from the internet or some illegal source, inform the chief judge immediately. Also, note that you do not have to fill this rubric out in order!

Solution Source Code Review

[total weight: 100]

Criterion	Score			
	0	1	2	3
	Does Not Meet Expectations	Partially Meets	Meets Expectations	Exceeds Expectations
Naming Conventions	Variables should be well-named (e.g. accountSum is good while acsu is bad). There should be few "magic numbers" floating around. The chosen variable naming scheme should be consistent and self-documenting. [weight: 5]			•
Organization	The code should be well-organized, with a consistent logical file/directory layout, encapsulation, and proper separation of concerns. Similar units of code should be grouped together in a logical way. If object-oriented language features are used, they should be used properly (i.e. SOLID). [weight: 30]			of code should be
Maintainability and Extensibility	The solution should be implemented such that a future group of programmers would not have to rewrite large portions of the source code to add new functionality. Source code should be DRY where reasonable. Pay special care to inflexible and hardcoded values. [weight: 25]			onality. Source code
Readability	How easily readable is the source code? Did you have a hard time going through it? Solution code should be as intuitive and self-documenting as possible. Confusing sections should be documented with comments. There should be few "WTF?!" moments. [weight: 25]			ossible. Confusing

Rubric: Code Judge 8 of 11



Efficiency	cycles looping or oth	ons should not be too in nerwise doing somethin ces? Does it make man [weigl	ng unnecessary? Is the ny more network reques	application wasteful

Rubric: Code Judge 9 of 11



Instructions: please provide any additional comments you have below. Note that your comments are shared directly with the students. Please be thorough, encouraging, and fair.

Positive Comments Please share any positive comments you have for this team.
Constructive Criticism Please share any unanswered concerns or comments you have for this team.
rease share any unanswered concerns of comments you have for this team.
Two Questions For This Team Please share the two most pressing questions you'd like answered about this team's solution.
Shared Thoughts (visible to all judges) Please add any thoughts or concerns you believe other judges should be made aware of.

Rubric: Code Judge 10 of 11