Code Challenge Sprint Backlog 3

Team 142 [Coding Challenge!]
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Product Owner for Sprint 3

Jiaxi Xiong

Goal

Based on the features inplemented in sprint 2, we expect to add more features to make our Code Challenge a robust web application with user-friendly interface.
We will have a complete 3-level access-control system:
Root is responsible for granting access privilege, administrators can manage problems, users can enjoy our exciting features!
We will have a complete problem management system, allowing for adding, editing and testing new problem before relasing it to users.
We will provide more statistic features to help users to identify themselves, as well as finding out valuable resources posted by others.
We will have a more robust sandbox to execute user's code, filered malicious code both in front-end and back-end, meanwhile, improve server-side efficiency.
Last but not least, we'll clean up all the debugging information in code.

Features to be implemented in sprint 3:

1. Improve UI for submission and discussion board
2. Super user (authorize to add/edit problem, access level diff)
3. Problem management improvement
4. Add tag to problems
5. Difficulty and Acceptance Statistics
6. Randomly pick problem to solve
7. Leading board of users
8. Problem history for each user (in profile page)
9. Check the user code before we actually sent it to the sandbox
10. Asynchronous submit code to sandbox (on the server side)
11. Collaborative coding
12. Real time chatting window
13. Search in the whole site scope
14. Upvote/downvote discussion topic

Tasks

Feature	Task	Cost(hours)	Assigned to
1	Make UI uniform	3	Jiaxi
2	Root user to manage users Admin user to manage problems Ordinary user to solve problem	5	Jiaxi
3	Enable admin tests on new problem enable set visible/invisible of problem problem backup	5	Jiaxi
4	Add tag model Add multi choices in problem mgmt Add tag navigation in problem lis page	3	Jiaxi
5	Enable users to view these stats	2	Jing
6	Enable users to randomly pick a problem to start	2	Jing
7	Show a lead board of users	2	Jing
8	Problem history for each user	3	Jing
9	Add pre-check in frontend	3	Hailei
10	Improve code submission efficiency	8	Hailei
11	A single session for two users to edit code together	10	Together
12	For two users to chat. Finding appropriate Google api for it	10	Together
13	Search for topics in discussion	3	Jing
14	Add vote/unvote for discussion Show it in discussion board	5	Jing
	Front-end clean	5	Jiaxi
	Views separation	5	Jing
	Backend clean	5	Hailei