

Low-fidelity prototypes  
(Usability testing – Thinking Aloud)

Test process:

1. Test users fill out background checks.
2. Test low-fidelity prototypes and document problems
  - a) Give the listed task list and low-fidelity prototype to the test user. Let test users complete the listed tasks on low-fidelity prototypes.
  - b) Test users need to express their inner thoughts while performing operations.
  - c) The tester needs to record the problems that occur during the test.
3. Record test user experience.
4. Summarize the problems found during the test and user feedback and evaluate the severity of each problem.
5. Solve problems that occur on low-fidelity prototypes based on severity.

Task list:

1. Require users to find what are the most common commands on the front end of JavaScript.
2. Require users to upvote the second most common command in the backend of JavaScript.
3. Require users to upload the commands they use the most in JavaScript.
4. Require users to share their thoughts in JavaScript pages.

Low-fidelity prototype:

Record form:

Test User	User001	Age	25
Occupation	Student	Years of experience using the computer	10
Task 1			
Record	<p><b>Status:</b> Success</p> <p><b>Feedback:</b> The user feels confused here</p> <div><div>Front End</div><div>Back End</div><div>Node JS</div></div> <p>Users think that "Front end" and "Back end" belong to the category. And "NodeJS" belongs to the framework, it can be either "Front end" or "Back end".</p>		
Task 2			
Record	<p><b>Status:</b> Fail</p> <p><b>Feedback:</b> The user cannot find the button to enter the voting page.</p> <p><b>Tester guidance:</b></p> <p>Testers pass the voting page directly to users. User successfully upvoted the second most common command in the backend of JavaScript.</p>		
Task 3			
Record	<p><b>Status:</b> Success</p> <p><b>Feedback:</b> The user feels confused here</p> <div><div>Front End</div><div>Back End</div><div>Node JS</div></div> <p>The reason is the same as Task 1.</p>		
Task 4			
Record	<p><b>Status:</b> Success</p> <p><b>Feedback:</b> The user feels confused. He cannot check whether the thoughts he has shared have comments from others, and he cannot view the thoughts shared by others.</p>		

User feedback			
Intention to use. (Use 1 to 5 to measure, 5 is "very happy to use")			4
Which feature will make you use this product?	The page layout is simple, and the content is only for computer programming, allowing me to focus on computer programming. There is a discussion forum, which allows me to communicate with other users.		
Which feature would make you want to use this product but did not see it in the prototype?	I hope that in the page "The most common commands", I can click to enter the relevant code, show what it does, and have a discussion area.		
General feedback	Feedback is in the record		
Tester	Felix (Yongfeng Luo)	Date	12/06/2021