

The Memo

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1 Contributors and ONIDs

LINK TO THE GITHUB REPO AT THE CORRECT BRANCH: https://github.com/Tonyenike/CS361-001-W2018/tree/the_memo-assignment-5/projects/martinb3/assignment-5

- Jesse Chick ~ chickj
- Benjamin Martin ~ martinb3
- Keenan Johnson ~ johnsoke
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- Jiaji Sun ~ sunji

2 User Stories

1. **View Tutorials.** User may click on a tutorial link to view a tutorial, or a procedure on how to solve a Rubik's Cube blindfolded.
2. **Rotate Cube** User may click on an array to rotate the entire cube in its corresponding direction.
3. **Scramble Cube** User may click a scramble button on the cube page to scramble the squares on the cube in such a way that it is still solvable blindfolded.
4. **Switch Page** The user may click on a button on the menu sidebar to switch the page that they are currently on.
5. **Generate Letters** The user can input a string of random letters, but only letters, and the webpage will generate a string of words for the user to memorize.
6. **Check solution** The user can input a solution on the cube page (which will come in the form of a string of letters for move operations), and the webpage will either verify their proposed solution or correct their response.
7. **Reset Cube** The user can press a button to reset the cube to solution form (normal, solved, as if it was just bought out of the box).
8. **Main Page Redirect** The user may click on the header/title bar to redirect back to the main page, which is the tutorials page on the website.
9. **Clear input bar** Upon clicking any input text bar, either on the cube page or the letters page, any text that was previously in the text bar is cleared so that the user can enter a new string.
10. **404 Content** Any content that the user requests that doesn't exist will be served with a 404 page and sent a 404 error to the client.

3 Corresponding Tasks

4 UML Sequence Diagram/Spike

5 The Stories Due Next Week

The goal for next week is to finish implementing the main framework of our web application. We have already created semi-working prototypes that we can very easily build upon to make a more fleshed out and functional website.

We'll aim to create a barebones page for each function. These would include: tutorials, 404, cube, generate letters, and check solution. Once we have these pages created, we can start working on navigation. We will implement the Switch Page and Main Page Redirect stories.

As soon as navigation of these pages has been completed, we can move on to implementing the actual functionality. The View Tutorials story as well as the Generate Letters/Clear Input Bar stories will be the first pages to implement. For View Tutorials, we will just need to populate the page with other resources related to actually learning the methods of blindfolded solving itself.

The Generate Letters story is next to be implemented. This will be a matter of creating an input for a pair of letters and then pulling from a predetermined (already have) source of possible words corresponding to the given letter pair and displaying those possibilities. This would also be the ideal point to implement the Clear Input Bar story as we will be using it here for the first time.

6 Meeting Report

This week is week seven. We haven't met until this week since we don't have the assignment in week six. But we keep in touch with every group members. On this week we have met 4 times on campus. Including three times in library and one meeting after class.

On our first meeting on Wednesday. We met everyone in the library. Including

our customer. The requirement of our customer is not changing. In addition, he very satisfies our project design and our prototype, so we decided not change our design and process plan. First of all, we separate our third phase of the project to every group member. Benjamin Martin is working on user stories and UML sequence diagram/spike. Jiaji Sun is working on meeting report. Jesse Chick is working on corresponding tasks, and Keenan Johnson is working on the stories due next week as well as compiling the algorithms that will be controlling the scramble and solution generation. On this meeting, we have to decide the user stories first, because this part is the most important part of this assignment. Other parts of this assignment depend on user stories. Therefore, we have discussed some most possibility stories that we can imagine. We have tried to imagine all user stories as much as possible. We finally found seven stories at the end. At the end of this meeting, we decided try keep find user stories as much as possible.

On our second meeting, we met after class. Everyone describes new user stories of each other and briefly discussed other parts of this assignment. In the end, we decided ten user stories for our project at the end.

On our third meeting, we keep met in the library. In this meeting, we were working on corresponding tasks. In this meeting, our customer showing up with us. He helped us to find out corresponding tasks as much as possible. In the beginning, We have discussed twenty different corresponding tasks. However, Jesse thought there were ten are not fit for the requirement. Therefore, we decided to delete ten corresponding tasks. After one hour discussed, we finally settle down ten corresponding tasks.

After the third meeting we only have one section left, so we were working on UML sequence diagram/spike on the fourth meeting. Since our customer is very satisfied our project design and our prototype, we settled our UML sequence diagram/spike very quickly. Therefore, we finished this section very quickly.

In this week, we have met our customer and he helps us to find corresponding tasks. Every group member is working well. They finished their section very nicely. Our plan for next will keep working on implement every function of each module. Try to finish it and test it as soon as possible.