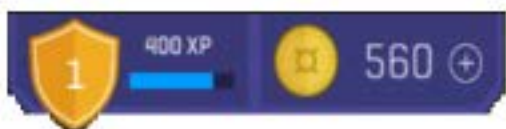


The Elite Detective Squad



Name:

Rank:



Trophies

Missions

Knowledge

Leader Board (Show up to top 10)

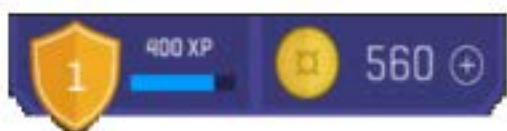


The Elite Detective Squad



Name:

Rank:



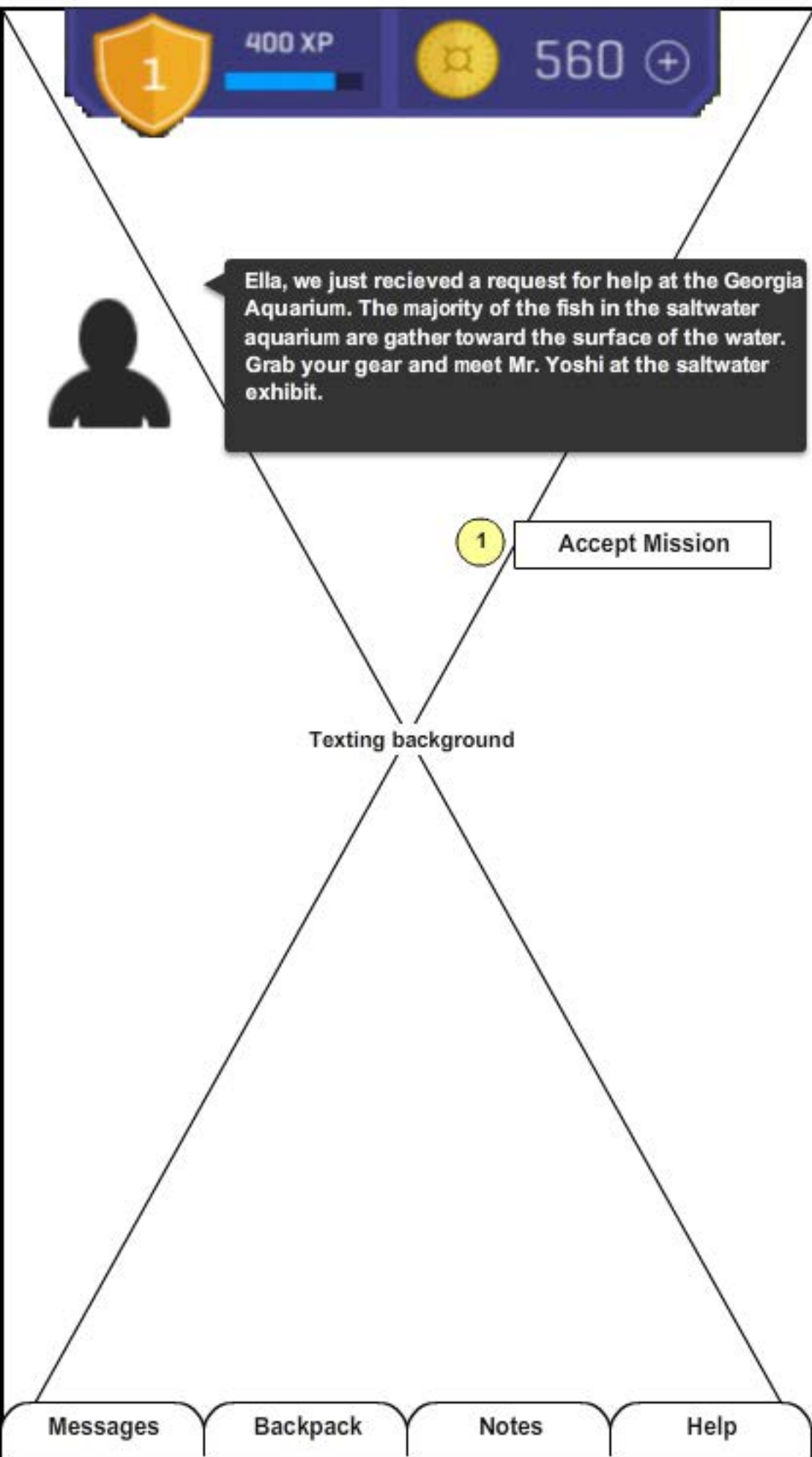
Available Missions

A Fishy Situation

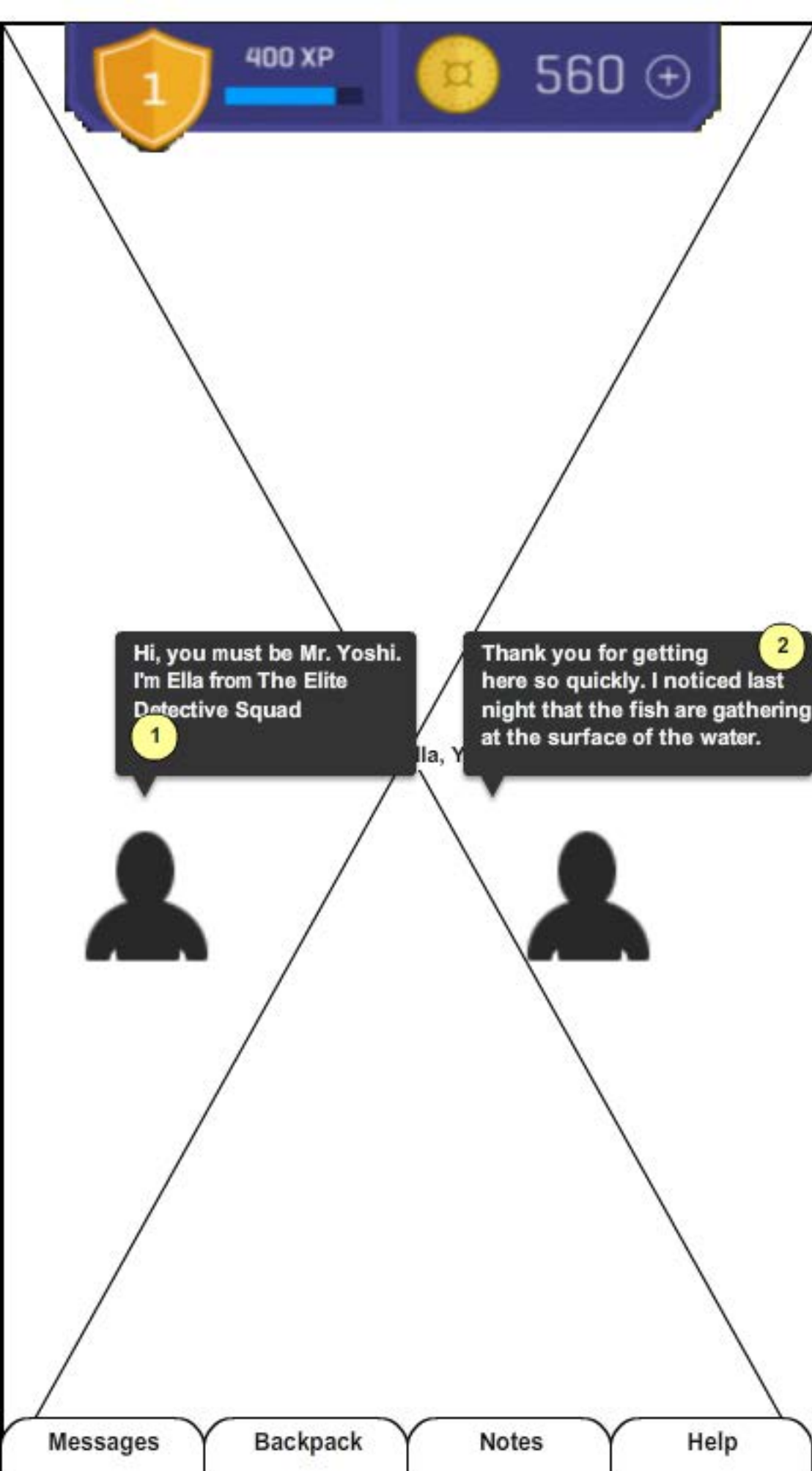
Middle School Survival

Completed





1. Uer hits accept mission button and the message screen transitions to Mr. Yoshi and Ella in front of Salt water exhibit

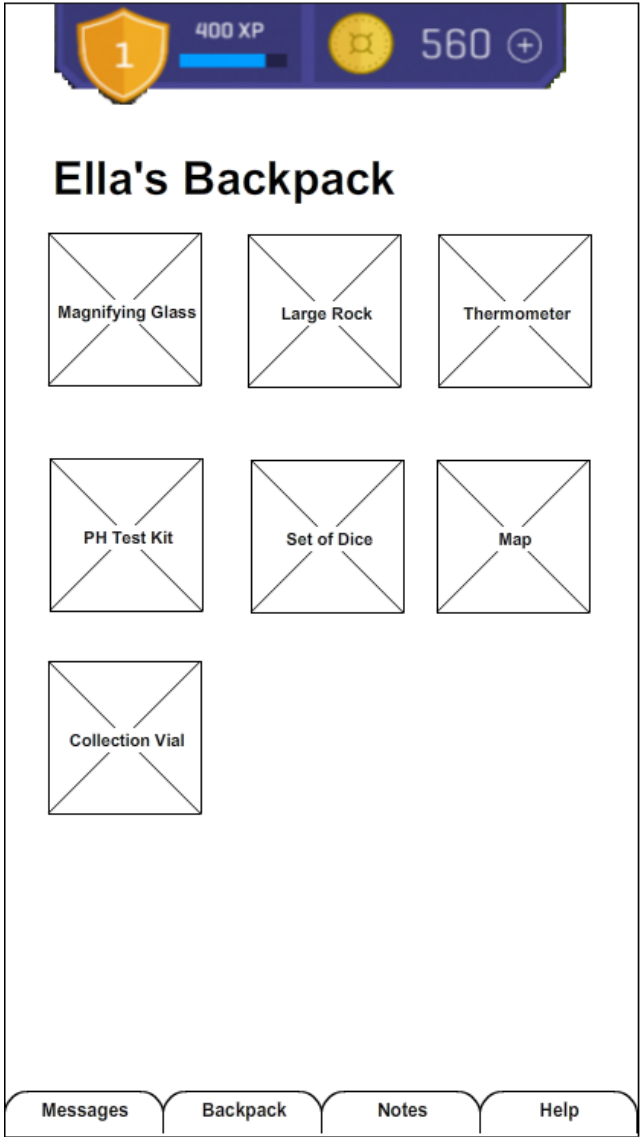


1. Ella dialogue comes in first.

2. Yoshi dialogue comes in 3 seconds after Ella's

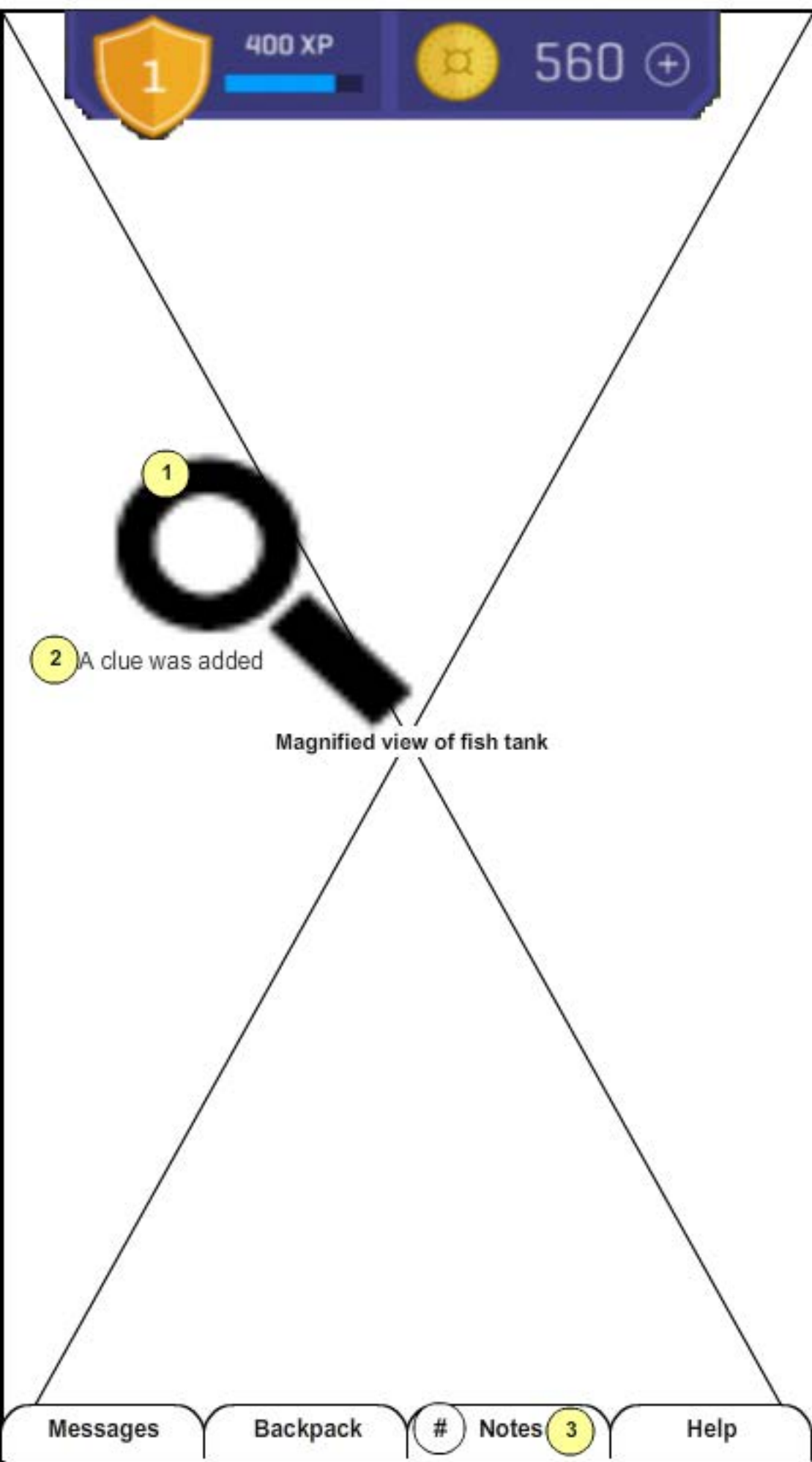
3. Ella's dialogue changes to "I think I need to take a closer look". As soon as this dialogue appears, the backpack tab starts flashing. User taps backpack to open backpack and find list of objects.

Backpack

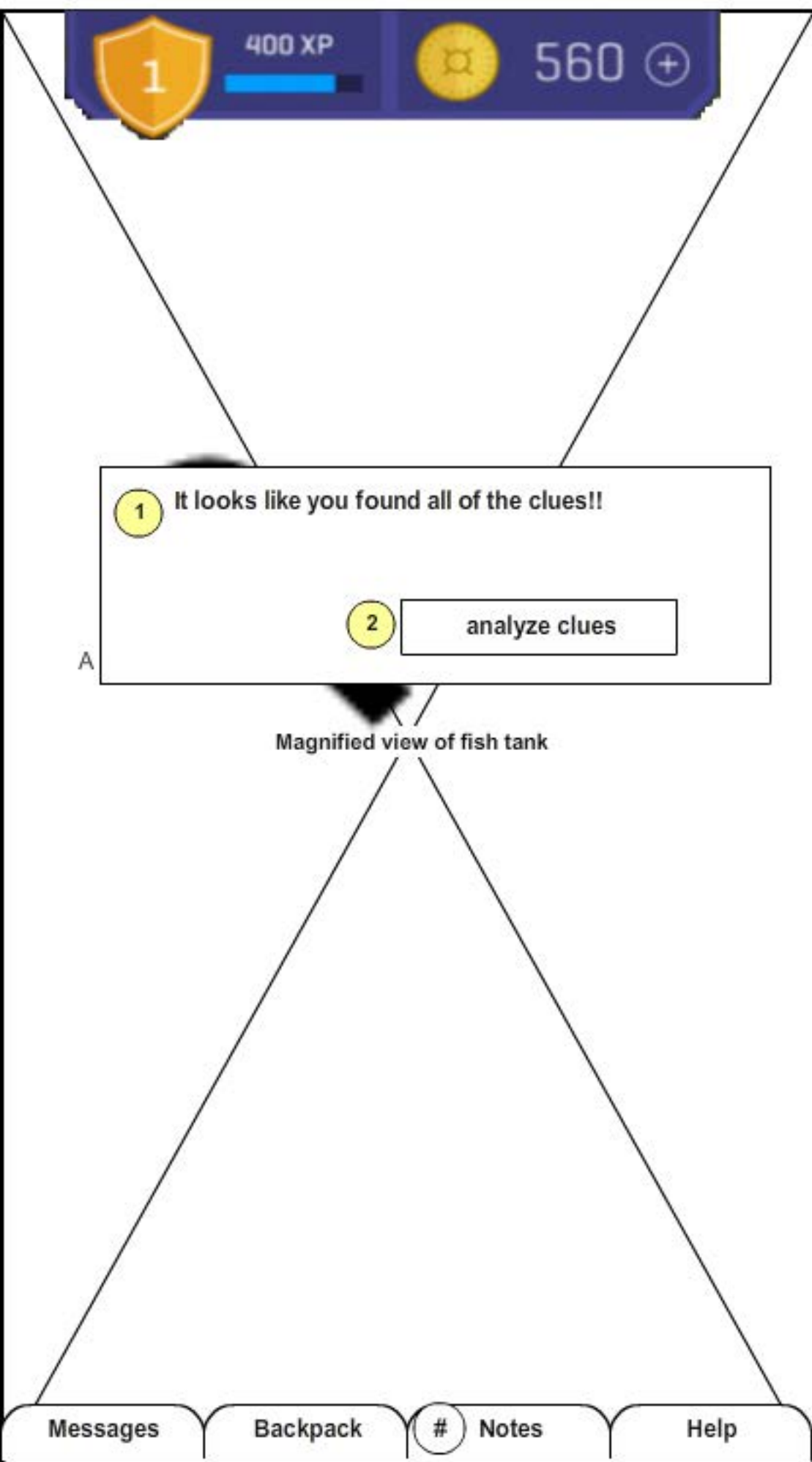


A list of object images are available for selection. When an object is selected, the backpack is closed. If the object selected was not the correct one, the user receives a message indicating that they can't use that object here and the backpack icon starts flashing again.

When the correct tool, magnifying glass, is selected, transition to saltwater tank with magnifying for search



1. User drags magnifier lense around image.
2. As magnifier touches hotspots, a message appears indicating a clue was added
3. Count of clues



1. Confirmation that all clues have been found
2. User presses button to close modal and magnify screen open notebook
magnify screen closes and a

1

400 XP

560 +

Clues

5 Data Table

Clue 1 1

Question 1 2

☐ Answer 1
☐ Answer 2
☐ Answer 3

4 Hint

Submit 3

The Hint will appear hear when button is selected

Clue 2

Clue 3

Clue 4

Message

Backpack

Notes

Help

1. The name of the first clue that was added to the clur notebook
2. This is a question to answer that relates to the clue
3. The submit button is grayed out until one of the answers are selected.

If a correct answer is submitted, the word correct takes the place of the submit button and clue 1 one closes and clue 2 opens. 10 points is awarded to the user

If an incorrect answer is submitted, that answer becomes grayed out and a hint button appears (callout #4). When selected, the hint will appear under the button.

If the user submits the correct answer without using the hint, they are wawrded 5 points.

If the hint is used and the correct answer is then chosen, the user is awarded 2 points.

If after two tries the user still has not selected the correct answer, the corect answer will be lit up and and that clue will close after 1 second. No points will be awarded to the user.

5. One all of the clues have been successfully submitted, the data table tab start flashing, prompting the user to select and open.

Clue 1: The majority of the fish seem to be floating or swimming slowly

Question: Why would fish float instead of swim?

Answer 1: The fish lack energy (correct Answer)

Answer 2: It is normal for the majority of the fish to display these characteristics

Answer 3: The fish were overfed and have to wait until the food digests to swim normally again.

Hint: Fish are similar to humans in this instance and tend to slow down for the same reason

Clue 2: The majority of the fish are near the surface of the water, some with their mouths open

Question: What causes saltwater fish to float near the surface of the water?

Answer 1: The fish are cold and float closer to the surface for the warmth of the sun

Answer 2: The fish are hungry and are waiting for food

Answer 3: The fish are looking for oxygen (correct Answer)

Hint: The fact that their mouth's are open indicates that they are gasping for something

Clue 3: There majority of the fish are brightly colored

Question: Why are the majority of the fish brightly colored?

Answer 1: The bright colors allow the fish to blend in with their environment(correct Answer)

Answer 2: The colors of the finsh intensify when they are kept in captivity

Answer 3: The fish aren't brightly colored, it is an illusion caused by the reflection of the tank light

Hint: This is used to protect the fish from predators

Clue 4: Many of the fish have torn or jagged fins

Question: Why would the fish have jagged or torn fins?

Answer 1: These are the male fish that have batteded with the other males to establish dominance

Answer 2: Ammonia levels of the tank are above 1-2 ppm(correct Answer)

Answer 3: The fish were born with this abnormality.

Hint: The environment affects the physical attributes of the fish

1

400 XP

560

+

Clues

1 Data Table

Clue	Test to Run	Result
Clue 1		<div>YesNo</div>
Clue 2	Answer 2	<div>YesNo</div>
Clue 3	Answer 3	<div>YesNo</div>
Clue 4	Answer 4	<div>YesNo</div>

3

Confer with Chica

1. The tab is highlighted indicating it was selected
2. The default position is no
3. This button is not selectable while all of #2 is in the default position

400 XP

560

- Clues
- Data Table
- 1 Testing

Clue	Reason	Requires Further Testing
Clue 1	Answer 1	<div> <div>Yes</div> <div>No</div> </div>
<div> <div>2</div> <div>The reason why the toggle is incorrect</div> </div>		
Clue 2	Answer 2	<div> <div>Yes</div> <div>No</div> </div>
Clue 3	Answer 3	<div> <div>Yes</div> <div>No</div> </div>
Clue 4	Answer 4	<div> <div>Yes</div> <div>No</div> </div>

3

Confer with Chica

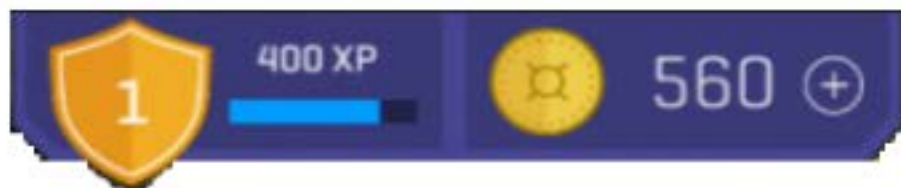
- Message
- Backpack
- Notes
- Help

- Once it is determined that further tests need to be run, this tab appears
- If the user has an incorrect answer after hitting the run tests button, the reason why the choice was incorrect appears here and the user needs to change the toggle button to yes.
- This button is not selectable until all toggles are in the correct position

All correct toggles receive 10 points. All incorrect receive 0 points
The correct toggles are as follows :

Clue 1: Yes
Clue 2: Yes
Clue 3: No
Clue 4: Yes

Once the run tests button is pushed, the Message menu opens



Message Center

Chica, I believe that the fish are swimming slowly and floating toward the surface because they lack energy and are looking for oxygen. The torn and jagged fins are the physical results of poor tank conditions. I believe testing is needed. What do you think?

2

I agree. Those are signs of oxygen deprivation. We need to find out what is causing it.

3

If it is an oxygen problem, then I need to make sure there are more fish in the tank than there is supposed to be. Also, I need to make sure the water temperature is accurate. A higher water temperature would require higher levels of oxygen.

4

That is correct Ella. That exhibit has only tropical fish, so the temperature should be between 75-77 degrees F. The correct capacity for the tank is 1 inch for every 5 gallons. That exhibit has a 400 gallon tank and 200 one inch fish, 75 two inch fish and 30 four inch fish. One more thing to check is the PH level of the water. For a salt water tank, it should be between 7.6-8.4.

5

6

Add to testing table

Messages

1

Backpack

Notes

Help

This is a dialouge between Chica and Ella.

1. This is colored different to denote that the messages are opened.
 2. This is on the screen when the page loads
 3. This appears 2 seconds after #2
 4. This appears 2 seconds after #3
 5. This appears 2 seconds after #4
 6. This button appears after #5 comes onto the screen. Pressing the buton takes the user to the testing tab in the notes section.
- All the information from the conversation is populated in the table.

Clues

Data Table

Testing 1

Concern 2	Test to Run 2	Result 4
Temperature of tank is warmer than 75-77 degrees F	Take the temperature of the tank water <div>Run Test 3</div>	
The water's PH is not between 7.6 - 8.4	Test PH level of water <div>Run Test 3</div>	
The capacity exceeds 1 inch for every 5 gallons of water	Analyze 400 gallon tank <ul style="list-style-type: none"> 200 1 inch fish 75 two inch fish 30 four inch fish. <div>Run Test 3</div>	

5

Solve the Mystery

Message

Backpack

Notes

Help

1. The tab is highlighted indicating it was selected
2. These columns are populated by the messages with Chica
3. When the user pushes this button, they are taken to the backpack screen if they need to chose a tool to run the appropriate test. Once the choose the correct tool, they are taken to a testing screen. The last one is a math problem, so they will need no tools from the backpack.
4. all test results are recorded here.
5. This button appears once all tests have been run.