

Use Cases

Sprint 1:

The Researcher - *Tina Jones*

- Tina is a researcher that needs information on how different educational video games help children learn. She is interested in the idea of Somatic Engagement, and would like to view data about the App and the research Professor Madej has conducted.
- She should be able to:
 - Easily find and download research
 - Be able to navigate to information about the Somatic App
 - Be able to contact Professor Madej with questions

The Teacher - *Samantha Song*

- Samantha is an elementary school teacher who wants to do a better job of using the technology in her classroom to help her students learn, but she feels like most educational video games and apps don't work as well as hands on activities. She stumbles across the Somatic Engagement Website looking for ideas from other teachers about how to engage in the classroom.
- She Should be able to:
 - Navigate to and view ideas on the Idea Forum
 - Share any tips that worked in her classroom
 - Find, view, and download the App
 - Submit questions to Professor Madej

Policy Makers - *Thomas Eltren*

- Thomas is a policy maker who decides where money should go for grants that fund educational technologies within the classroom. He is trying to find information and research to help inform his decisions.
- He should be able to:
 - Easily find charts and graphs that reflect the research findings
 - Navigate to summaries about the research or download the entire body of research
 - Find, view and download the App

Use Case 01: User Accesses Website: Sprint 1, Sprint 2, Sprint 3

Primary Actor:

Customer – a teacher, researcher or layman who wants to view site content

Stakeholders and Interests:

Administrator – wants to ensure that researchers and teachers have access to research on somatic engagement.

Preconditions:

None.

Postconditions:

After a successful action, the customer should be on the main page which will be scaled to the size of their device and function on their selected internet browser.

Main Success Scenario:

1. Customer navigates to web page.
2. System displays site main page on any size screen and any browser.
3. System runs any automated animation that occurs upon first loading.
4. System runs any animations that occur when the user hovers or clicks on different divs in the website.

Extensions and Alternative Flows:

2. System does not run on a certain browser.
 - a. System displays error message explaining to user what browser works.
3. System does not run animation.
 - a. System displays error message or System displays fixed content without animation.

Open Issues:

How many types of devices should the website be accessible on? How do we make it flexible to run everywhere? How do we display an error message/ know when the site does not work properly on a device?

Use Case 02: User Submits Question: Sprint 1

Primary Actor:

Customer – a teacher, researcher or layman who wants to submit a question to the Client about her research.

Stakeholders and Interests:

Administrator – wants to ensure that researchers and teachers can reach out to ask questions about somatic engagement.

Preconditions:

The User be on the landing page of the website.

Postconditions:

After a successful submission, the customer should see a message confirming that the question was accepted, and the question form should be blank again.

Main Success Scenario:

1. Customer scrolls through the landing page till they reach the Contact Us section.

2. Customer can fill in the Google Form embedded in the page, including Name, Email, and Question.
3. Customer submits information.
4. Google Form checks that all required parts of the form have been filled out.
5. Google Form displays confirmation message to the user.
6. Google Form adds the collected information to a spreadsheet accessible to the client.
7. Google Form refreshes so that a new question can be submitted.

Extensions and Alternative Flows:

1. Customer clicks on Navigation bar at bottom of website for Contact Us section.
 - 1.1. Website pulls user to the hook at the front of the Contact Us section.
3. Customer has not filled out all parts of the Google Form
 - 3.1. System displays an error message asking user to fill out missing information.

Open Issues:

What if the internet is not working, and the Google Form does not load?

Use Case 03: User Submits Somatic Engagement Ideas for Forum: Sprint 1, Sprint 2

Primary Actor:

Customer – a teacher, researcher or layman who wants to submit an idea or activity they have used in the past to encourage somatic engagement in childhood education.

Stakeholders and Interests:

Administrator – wants to ensure that researchers and teachers can have a forum to share ideas and best practices. The Administrator also wants to control the content of the blog page.

Preconditions:

The User must be on the landing page.

Postconditions:

After a successful submission, the customer should see a message confirming that the idea was accepted, and the idea form should be blank again.

Main Success Scenario:

1. Customer scrolls through the landing page till they reach the Idea Forum section of the landing page.
2. Customer clicks on the link for the Idea Forum page.
3. System opens the Idea Forum page.
4. Customer can fill in the Google Form embedded in the page, including Name, Email, and Idea.
5. Customer submits information.
6. Google Form checks that all required parts of the form have been filled out.
7. Google Form displays confirmation message to the user.
8. Google Form adds the collected information to a spreadsheet accessible to the client.
9. Google Form refreshes so that a new question can be submitted.

Extensions and Alternative Flows:

1. Customer clicks on Navigation bar at bottom of website for Idea Forum section.
 - 1.1. Website pulls user to the hook at the front of the Idea Forum section.

2. There is more than one Idea Forum page.
 - 2.1. There are only a few Idea Forum pages.
 - 2.1.1. Customer selects Idea Forum page that best suits his or her interests.
 - 2.2. There are several Idea Forum pages.
 - 2.2.1. Customer can view and select a link to the most recent Idea Forum pages added.
 - 2.2.2. Customer can select a link that will bring them to a page which lists links to all available Idea Forum pages.
5. Customer has not filled out all parts of the Google Form
 - 5.1. System displays an error message asking user to fill out missing information.

Open Issues:

What happens if the link to the Idea Forum does not work? If there are several pages with different Idea Forums, should the pages be searchable?

Use Case 04: User Navigates Landing Page with Navigation Bar: Sprint 2, Sprint 3

Primary Actor:

Customer – a teacher, researcher or layman who wants to view site content

Stakeholders and Interests:

Administrator – wants to ensure that researchers and teachers can find what they are looking for on the site

Preconditions:

The User must be on the landing page.

Postconditions:

After a successful action, the customer should be on the section of the landing page which contains information relevant to them.

Main Success Scenario:

1. Customer clicks on the link on the navigation bar that they wish to view content for.
2. System scrolls to that section of the landing page.
3. Customer can return to home or navigate to any other section of the website by clicking on the corresponding link located on the navigation bar at the bottom of the page.

Extensions and Alternative Flows:

1. System does not respond to the selection.
 - 1.1. User can scroll using the arrow keys, mousepad or scrollbar to the section of the website they desire to view.

Open Issues:

How will the User know where they are in the website if they are scrolling through? Will the navigation bar contain an indication of the progression they are making through the website?

Use Case 05: User Accesses Research Page: Sprint 2, Sprint 3

Primary Actor:

Customer – a teacher, researcher or layman who wants to view the client's research.

Stakeholders and Interests:

Administrator – wants to ensure that researchers and teachers can find what they are looking for on the site and view content and descriptions about the research.

Preconditions:

The User must be on the landing page.

Postconditions:

After a successful action, the customer should have pulled up the page for the client's research.

Main Success Scenario:

1. Customer clicks on the link on the navigation bar for the Research section.
2. System scrolls or jumps to the Research section of the landing page.
3. Customer selects the link to the client's research.
4. System opens a new page that has a description of the research conducted.

Extensions and Alternative Flows:

3. The client now has multiple separate research projects.
 - 3.1. There are a few research projects.
 - 3.1.1. The client can select the link to the research page he or she is interested in.
 - 3.2. There are many research projects.
 - 3.2.1. The client can view links to the most recent research project pages and a link to a page that lists all of the additional projects.

Open Issues:

Should the research projects be searchable if the client has several different projects?
How will the Customer find what project they are looking for?

Use Case 06: User Downloads an Entire Research Paper: Sprint 3**Primary Actor:**

Customer – a teacher, researcher or layman who wants to view the client's research in its entirety.

Stakeholders and Interests:

Administrator – wants to ensure that researchers and teachers can find what they are looking for on the site and download or view detailed papers describing the research and results.

Preconditions:

The User must be on the Research page.

Postconditions:

After a successful action, the customer should have access to the client's research on the topic of their interest.

Main Success Scenario:

1. User selects the link labeled "click here" to download research papers.
2. System displays a page that has a form where the Customer can fill out Name and E-mail and select which research paper they would like access to out of a list of all available papers.

3. Customer enters his name and email into the request form and selects the radio button for the research paper he wishes to view. Then the customer hits the Submit button to submit his request for access to the research.
4. System records name, email and which paper was selected, and sends the link to the research paper on Google Drive to the email entered.
5. System refreshes the request form so that a new request can be entered.
6. Customer receives email and can use link to view or download the requested research.

Extensions and Alternative Flows:

1.
 - 1.1. Customer does not enter all of the information required for the request form.
 - 1.1.1. Form displays an error message asking the Customer to complete the form before receiving the research.
 - 1.2. Customer does not enter a valid email address.
 - 1.2.1. Form displays an error message asking the Customer to enter a valid email address.

Open Issues:

How do we check for valid emails? Where do we document who has requested the research?