

Evaluation Assignment 1

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Team 3 Explorers

Table of Contents

<i>Description of the Undergraduate System.....</i>	<i>3</i>
<i>Stakeholder Onion Diagram and Descriptions.....</i>	<i>4</i>
<i>Stakeholder Goal Influence Table.....</i>	<i>6</i>
<i>Stakeholder Goal Influence Table Summary.....</i>	<i>7</i>
<i>Personas.....</i>	<i>8</i>
<i>Simplified HTA and Summary.....</i>	<i>10</i>
<i>Appendix: Scientist Interview Notes.....</i>	<i>11</i>

Description of Undergraduate System:

The *Keweenaw Time Traveler Explorer* is a web application that stores and organizes historical data that is uploaded by the public. Users are able to view and add media to maps of the Keweenaw from varying years. Uploads often include pictures of newspaper clippings, old photos of buildings, and comments on the area in general. It's a way for the Keweenaw community spread near and far to connect or learn and an opportunity for researchers to crowd source data and stories. Those using the explorer section of the website should be able to upload media, the priority being the addition of ability to upload videos. The upload process is expected to be used by a wide range of users from elementary school children, to researchers, to elderly community members. This means that simplicity of use is important.

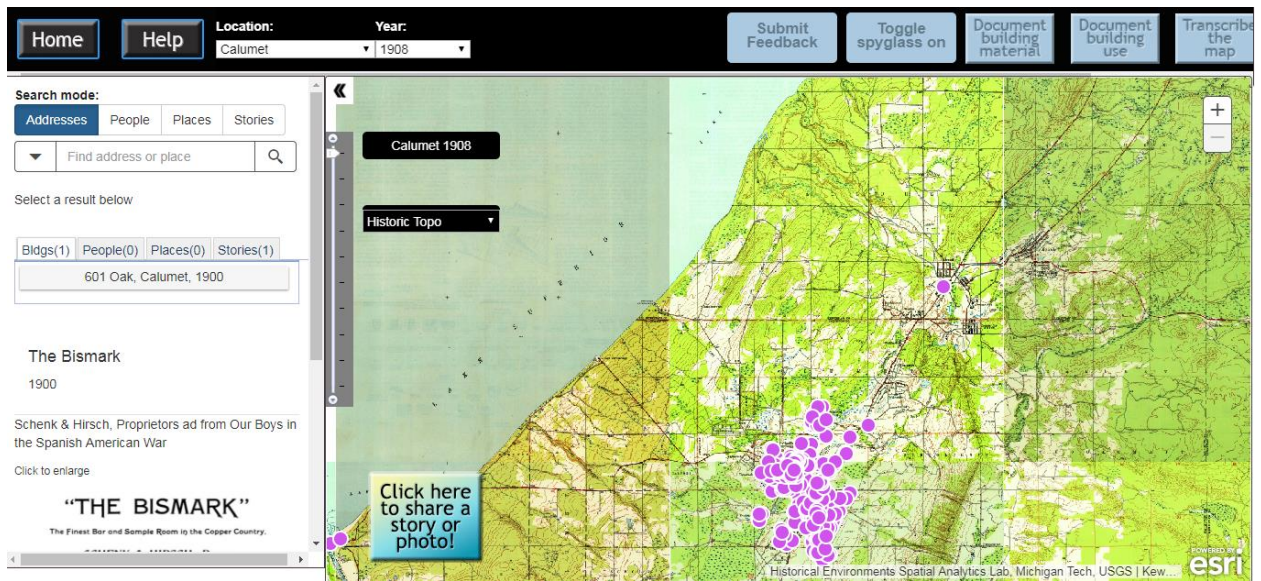


Figure 1: Current Explorer Web Application

Stakeholder Onion Diagram and Descriptions



Figure 2: Onion Model for Stake Holders

Description of Stakeholders:

Primary:

- **Facebook Following:**
There is currently a Facebook Page dedicated to the same topic (memories/ history of the Keweenaw) where the main user is 30-55 years of age. While the demographic for the website is mixed, they suspect the Facebook Users will make up a large portion of their traffic.
- **Researchers/ Historians:**
Aside from the group who created the app, other researchers and historians are expected to make up part of the site's traffic. This can include but is not limited to people looking to understand map history, building history, mining history, and industrial artifacts, or the Keweenaw in general.
- **Keweenaw Community Members:**
The main idea behind all users is that they will have some sort of connection to the Keweenaw to have a want to understand more of its history or add memories of how it used to be. This includes current community members and previous community members who may now be scattered across the globe.

Secondary:

- **Elderly:**
Those who are old enough to have not grown up with or know how to use computers, but still have lots of stories and history to share about the Keweenaw.
- **Middle Aged Helping Elderly Parents:**
Those who may still not be Tech Savvy but know enough to be able to and want to help their parents share memories, or who may also have memories of their own.
- **Grandchildren/ Youngsters Helping Grandparents:**
Technologically able and typically under 30. While they may not see the value in the information being shared themselves, they will have a better base understanding of websites/social media/ and data sharing to be able to assist their grandparents (or individuals of a similar role) in sharing information and memories.
- **School Aged Children:**
Students who may be instructed or encouraged to use the website for a class project.

Tertiary:

- **Creators/ Scientist:**
Inventors of the concept whose goal is not only to collect information on the community, but to also provide a way for the community to connect.
- **Developers (Us):**
The people in the background coding and usability testing

Stakeholder Goal-Influence Table			
Keweenaw Time Traveler- Explorer App			
Name:	Goal:	Contributing Influence:	Constraining Influence:
Facebook Following	To share memories and relics, to learn	To interact with the community and share keepsakes/ knowledge	Ease of interaction/ media uploads
Researchers/Historians	To understand Keweenaw History	Compiling knowledge to share findings with the scientific community	Ability to view and understand media
Keweenaw Community Members	To share memories and relics, to learn, connect with other community members	Interacting with Keweenaw community near and far, sharing stories, remembering home	Ease of interaction/ media uploads
Elderly	To review and post relics/ memories	Reclaiming memories, socializing	Painless/ easy to access, upload media, and understand
Middle Aged Helping Elderly Parents	To help parents or loved one post relics and memories and use the site	Pleasant/ helping loved one, communicating with loved one, learning	Easy to understand and then teach
Grandchildren/ Youngsters Helping Grandparents	To help grandparents or loved one post relics and memories and use the site	Pleasant/ helping loved one, communicating with loved one, learning	Readability, simplicity, familiarity
School aged Children	Retrieving or understanding information, likely for a school project	Retrieving enough information to do well on school work, enjoyment	Readability, simplicity, familiarity
Creators/ Scientists	To engage community in understanding local history, to start conversations, to gain understanding of local history, to be able to access and	Further understanding the community and history for research purposes	Viewing media uploads, checking media uploads for accuracy, editing interaction if necessary
Developers (Us)	To develop a way to upload media that is accessible and understandable across a wide variety of age groups	Furthering education, genuine interest in usability and development	Time constraint, possible data storage constraint

Goal Influence Table Description:

Goals across primary and secondary users have similar themes. We want our users to be able to upload and share documents, with an emphasis on ease of use since we will be dealing with a variety of age groups. Media uploads should be able to be added in various forms including photos and videos. Since we are dealing with a large range of background, photo types may need to be inclusive of more than just one option such as .jpeg or .pdf as not all user groups will know how to convert to the needed file.

Our users are not only using the website to upload, but to interact with a community and learn about each other. Once documents are uploaded, they should be easy to review and add comments. Interactions between community members are important to both primary and secondary user groups, as well as the tertiary users- the creators.

We should also consider the interactions that may be happening offline when using the app. Grandparents and children or grandchildren all interacting to add relics and view historical documents is encouraged. Whether it's a teacher and students or family members working together, multiple age groups may be accessing the site together so it's important it can be understood and accessed by all.

Personas:



Kristine

- Age: 24
- Height: 5'5"
- City of Origin: Big Rapids, MI
- City of Residence: Houghton, MI

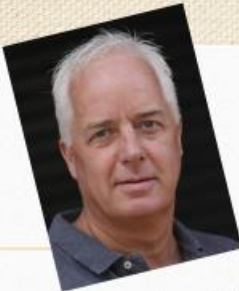
- **Goals:**

Kristine is working on her Master's at MTU and part of that includes a large historical project on mining. She hopes to form her thesis around local relics and the culture and dispersion of the last 3 generations of mining families.
- **Behavior:**

Born with a passion for history, Kristine hopes to one day share her passion in the classroom by becoming a teacher. For now, she is invested in her studies and excited to dive into her master's paper and project. Kristine can often be found with a book in hand or researching historical documents on her tablet.
- **Relationship to Others:**

Kristine did not grow up in the Keweenaw but has grown fond of the community during her time at MTU. She is working with two other graduate students and her adviser.

Primary User-Researcher/ Historian



Darren

- Age: 43
- Height: 6'3"
- City of Origin: Calumet, MI
- City of Residence: Green Bay, WI

- **Goals:**

Darren wants to better understand his family history and share what he has learned thus far. After moving to Wisconsin as a child, now that he's grown and has children of his own he wants to explain where he grew up to them and share history with his former community.
- **Behavior:**

Darren is already a fan of the Keweenaw Time Traveler Facebook page and looks forward to the app updates. He is an avid Ancestry.com user and hopes to supplement his understanding using the Time Traveler. Darren can often be found searching the innerwebs for family tidbits and treasures in the evening with his family near by in the living room.
- **Relationship to Others:**

Darren has two tweens that are slightly embarrassed by the way he geeks out over his family history. His wife grew up just outside of Madison, WI and has yet to visit the Keweenaw. Darren's father passed away a couple years ago and he finds his mother's memory is fading, which only fuels his desire to learn more about his family's history online.

Primary User-Facebook Following



Jerry

- Age: 8
- Height: 3'8"
- City of Origin: Houghton, MI
- City of Residence: Houghton, MI

- **Goals:**

Jerry is looking for information about miners for his 3rd grade history project. His teacher, Mrs. Hensley, told him about the Keweenaw Time Traveler and he hopes to use the website to find some cool stories and pictures for his presentation.

- **Behavior:**

Jerry has grown up in the technological era. He is well versed in computer skills and often surprises his parents with what he can do. They figure he must pick up ideas at school, as his screen time at home is strictly supervised. Jerry has always had an interest in history and is excited about the project.

- **Relationship to Others:**

Jerry has always had a connection to mining and Keweenaw history after hearing his great-grandpa worked in the mines. He lives with his younger sister of 7, his parents, and pet Bo Jangles. His parents do not allow screen time without supervision.

Secondary User-School Aged Children



Betty Jo

- Age: 82
- Height: 5'4"
- City of Origin: Hancock, MI
- City of Residence: Auburn Hills, MI

- **Goals:**

Betsy Jo has a collection of newspaper articles from her days growing up in the Keweenaw. After learning about the Time Traveler, she wants to share her articles and is excited by the possibility of connecting with old friends

- **Behavior:**

Betty Jo owns a computer, but does not use it often. She can turn it on, but is confused by the internet- though has shown interest in apps like the Keweenaw Time Traveler and Facebook. She enjoys when her children and grandchildren visit and show her pictures online of family and friends, but is nervous about doing so herself.

- **Relationship to Others:**

Betty Jo grew up in the Keweenaw community and still has close ties to her Finnish roots. She has a daughter who visits once a week and a grandson in town who she sees less often.

Secondary User-Elderly

Simplified HTA:

*Assumes user has already navigated to the *Explorer* page

*Limited to features Team 3 Explorers were asked to edit and improve upon

Explorer Page

Button

- Share Media

Clicked to Add Media

Pop-Up

- Instruction to select a year and location

Selection Fields

- Choose year from drop down menu
- Click to select a map location

Year and Location have been selected

Pop up entry box

- Input title of relic
- Input description of relic
- Input year of relic
- Upload media file of relic
- Option to add your name
- Ability to submit entry

HTA Summary

Once the user has accessed the explorer page, they can currently upload media limited to pictures only by performing the following steps. First, they must find the button that allows them to share media. Once selected, they are met with a pop-up that instructs them to enter a year and select a map location. Once year and location are chosen, a pop-up entry field appears and asks them for various pieces of information about their media as well as offers them a place to upload the media.

Within the realm of improvements, we were asked to make, the aesthetic and location of the initial button are allowed to be adjusted. The initial pop up instructions can also be adjusted for aesthetic and location. The final pop up can be reworded and designed as long as the same fields exist and the ability to add video is included. Priority for the project includes the new ability to add video.

Appendix: Scientist Meeting Notes

On Users:

- Users are both public and researchers
- Includes people out of town and locals
- Older users prefer talking rather than typing
- Younger users want “to stand there and do a video”
- Most users are not technologically inclined
- Students (grade school and college level) should be considered
- Even though elderly may not be the main users, elderly usability is most important
- User commonality is and interest and connection to the Keweenaw
- Current facebook following has an average age range of 30-55

On Goals of the App as a Whole:

- To provide information on the landscape and history in synchronization
- To obtain both qualitative and quantitative data
- Ancestry.com is a great example of a predecessor or similarly oriented app
- Goal to help community better connect
- Conversation between users is important
- Forward thinking a ‘learning mode’ would be a nice feature
- The time traveler covers Houghton, Keweenaw, and Ontonagon Counties

On our goals for the Explorer App specifically:

- Keep the same integrity and idea of the app currently, but add option for video
- Data should be instantly accessible after it is uploaded
- The ability to be able to view videos should also be added
- Feel free to update pop up media entry box
- Likes the dollar shave club theme for data entry
- Button aesthetic for media upload can be updated
- Functionality is more important than looks
- Please be forward thinking about the app having mobile function in the future