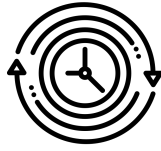


Keweenaw Time Travelers



Group 0b100

Evaluation Assignment 1 - Website and Stakeholders, Goals and Task
Analysis

2/3/2020

– Author –

Marissa Walther

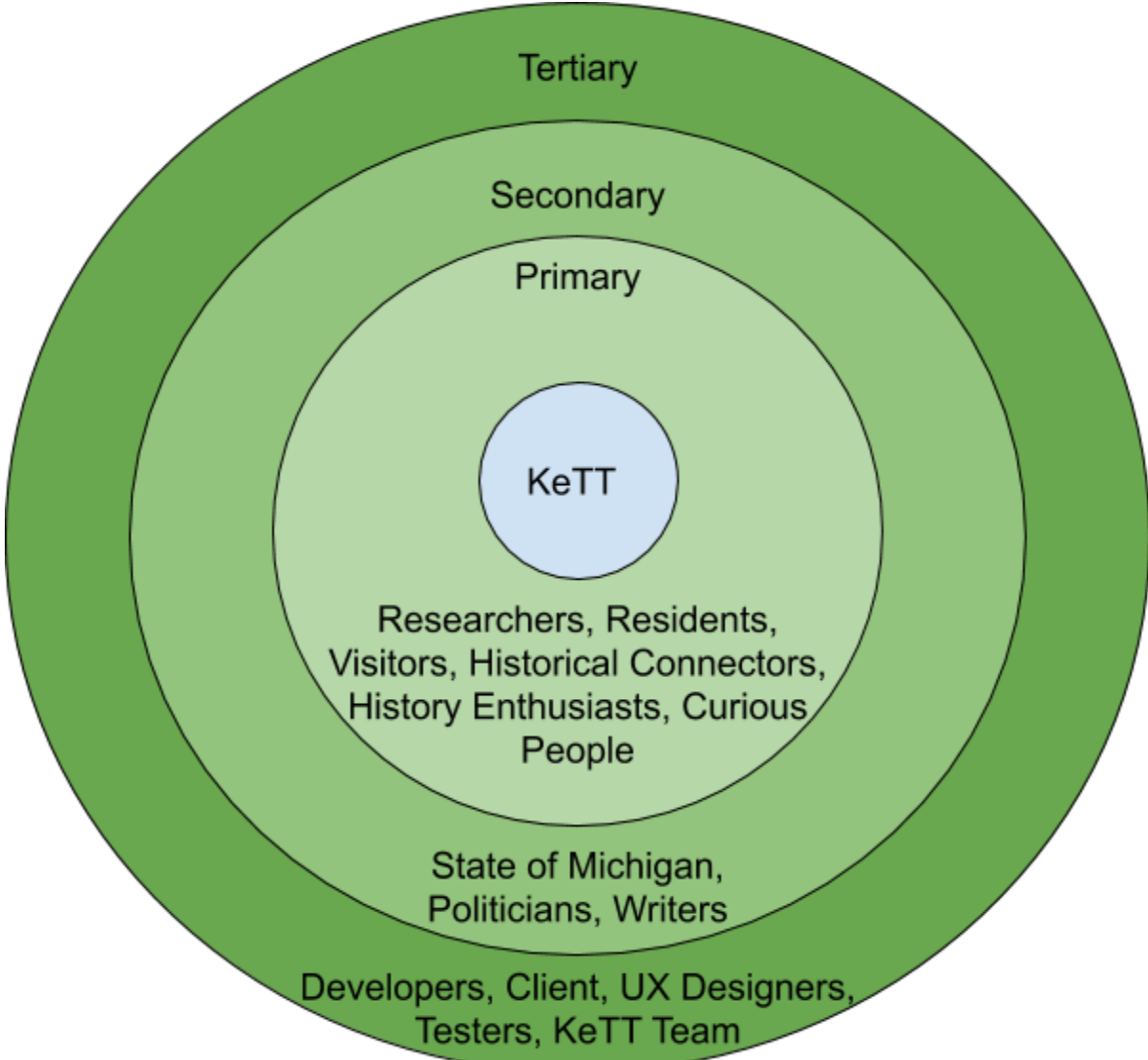
– Team Members –

Ryan Ader, Kyle Alberth, Daniel Lambert,
Mason Sayles, Ruoxi Tian, Rebecca Barkdoll,
Christian LaCourt, Evan Monko, Manu Chemudupa

Undergraduate System

The undergraduate group's main focus is to work on the features revolving around categorizing and searching records of history within the pre-existing Keweenaw Time Traveler application. Each record contains different pieces of info such as census data, school records, city directory, employment records, buildings, significant places, and stories. By creating a categorization system for these records, the goal is to be able to create an application that allows the user to "get lost in the data" and explore the history in the Keweenaw. The application will be used by those who want to learn more about the area, schools, and visitors along with those who want to add their own stories and records to the database.

Stakeholder Onion Diagram



Stakeholder Description

Primary Stakeholders:

- Researchers - Those studying the area and wanting to know more about the history of the Keweenaw for educational and research purposes.
- Residents - Those who live in the area might want to know more about the history of where they live.
- Visitors - Those who are visiting the area for tourist reasons and want to know more about the places they are going to visit.
- Historical Connectors/Family members - Those who knew someone who lived in the Keweenaw and want to see if there are any records pertaining to that person.
- History Enthusiasts & Curious People - Those who just want to learn more about the area.

Secondary Stakeholders:

- State of Michigan - The state might want to look into the history of the area to make informed policies.
- Politicians - The politicians might want to know more about the area to connect more to the people for votes, along with selling policies that the area would relate to.
- Writers - Those writing books with the setting as the Keweenaw and who want the lore to be accurate.

Tertiary Stakeholders:

- Developers - The undergrads who are developing the application.
- Client - Don LaFreniere and Sarah Scarlett.
- UX Designers - The undergrads who are working on the UX of the application.
- Testers - The grad students and those on the KeTT team who are testing the application.
- KeTT Team - The rest of the KeTT research team.

Stakeholder Goal Influence Table

Stakeholders	Goals	Contributing Influence	Constraining Influence
Researchers	Find records relating to research interests	Records they find while researching that don't exist in the database	Easy interactions Fast interactions Ability to add records Ability to edit records
Residents	Find records relating to residence location or history of relatives	Records about events they encountered or were told about	Easy interactions Fast interactions Ability to add records Ability to edit records
Visitors	Find records relating to places of interest they are visiting		Easy interactions Fast interactions
Historical Connectors	Find records relating to places and people of interest		Easy interactions Fast interactions
History Enthusiasts	Find records relating to places and people of interest		Easy interactions Fast interactions
State of Michigan	Find records relating to places and people of interest Ensure historical sites are maintained	Records about policies and state events	Easy interactions Fast interactions Ability to add records Ability to edit records
Politicians	Find records relating to places and people of interest		Easy interactions Fast interactions

	Ensure historical values are recognized		
Writers	Find records relating to places and people of interest		Easy interactions Fast interactions
Developers	Successful completion of project	Code Tests Documentation	Client specifications Time
UX Designers	Successful completion of project Successful integration of UX	UI UX testing	Client specifications Time
Client	Successful completion of project	Specifications Design	Time Resources
Testers	Successful completion of project Bug and vulnerability free project	Tests Feedback	Time Availability of features ready to move to the testing phase
KeTT Team	Successful completion of project	Feedback	Time

Summary of the Stakeholder Goal Influence Table

The ability to be able to search records and have the results show up quickly and in a fashion that allows the user to easily navigate is a constraint for all of the primary and secondary stakeholders. This is important, since a user would get frustrated and leave the site to peruse other methods of obtaining the wanted information if the site took too long to load or if it was confusing to navigate. The users also want the easy access of information to include the interaction between the existing map and the records. When people visit the area, they like to know the history behind it, so the information needs to be easy to access from any device/location to allow the user to get the records from wherever they need. Writers would also be able to look up existing records in order to write historically accurate books or to provide interesting lore based off of existing stories.

The state of Michigan, residents, and researchers would be the main contributors to the application. Therefore, the ability to add a new record or to edit an existing one would be important to the users. The users want to be able to add to the records in order to create the most accurate records that they can so that the other stakeholders can possibly relive and/or visit the areas of interest. Individuals could also learn more about family history if they knew people within the area, and those with stories that aren't on a record could add to the database.

The state of Michigan and politicians would want to be able to access the records to make sure that their information on the area is up to date, while also being able to identify historical connections between the population and the land. They could use this information to work with the people of the area to create policies and local laws to preserve the history along with appealing to the people through relating to their history.

The developers, client, KeTT team, testers, and the UX designers want to be able to have successful completion of the project. The developers and UX designers would be able to add the project to their portfolios, and learn how to add to the pre-existing application. The testers would be able to provide timely feedback on the UX and on bugs by performing code reviews and UX tests to ensure that the application feels and works the best that it could. The client and KeTT team want the application to be successful for their research project and so that the intended audiences could access the information they need when they need it.

Personas

Primary Personas

Name: Lena Stone (F)

Age: 37

Residence: Calumet

Description: A researcher at MTU, Lena works with other anthropologists and researchers in the social sciences department to read records about what has happened and find consistencies in stories that are from the area. She grew up in the area, and has deep roots to events such as the Strawberry festival.

Name: Paul King (M)

Age: 58

Residence: Copper Harbor

Description: Paul grew up in Copper Harbor working with his family at a local business. In his free time he likes to go to Brockway with his family and go exploring to areas such as the NASA rocket launch. Paul isn't the best with technology and has no degree, however his kids are always willing to help him out.

Secondary Personas

Name: Zelda Hyrr (F)

Age: 22

Residence: Lansing

Description: Zelda is a fresh graduate from MSU working for the state to maintain a detailed history of every county in the state. Zelda wants to find an accessible site to help her finish the documents for the Keweenaw region.

Name: Hikari White (F)

Age: 22

Residence: Denver, Co.

Description: Hikari is writing a book where the setting is in the Keweenaw. She heard that the place was very rich in history and wanted to write a fiction book using the lore of the area.

Simplified HTA

Keweenaw Record View

- Search bar

 - User input

 - Filters

 - Common categories

- Search results

 - Dropdown to choose how information is sorted

 - Display of results

 - Results link to map

 - Results may link to stories

 - Results may link to records

 - Display of result categories

- Link to KeTT map

- Link to all records

Summary of the HTA

In the application, the team will be working on creating the search feature. The search feature should have a text box where the user can input information, along with a filter drop down where the user can select options to narrow down their search such as a time frame, location, or type of record. After the results are displayed, the user is given the option to select from a drop down menu on how the information is displayed. Common categories for that would be sort by date created, date the record took place in, or alphabetically. The results that are shown will be linked to the KeTT map, where the user can interact with to select individual records. The results will be a list of all the records that match the search criteria, linking to stories, census data, and more.

Appendix

I was not able to attend the meetings with the scientists due to having a class during the meeting times, however the links to the notes my team took are below.

Keweenaw Time Travelers



Group 0b100

Scientist Meeting Notes

January 28th 2020, 3:30 P.M.- 4:30 P.M.

Location: GLRC 316

– Scientists –

Don LaFreniere, Sarah Scarlett

– Attendance –

Rebecca Barkdoll, Ryan Ader, Evan Monko,
Daniel Lambert, Christian Lacourt

– Discussion Items –

Focus on 1920 records

- Census - lots of variables
- School records
- City directory
- Employment records
- Buildings
- Stories
- Places

How to categorize/search for these pieces of info

Expanding search tools

Think about how future teams would add (**We are not going to fully implement these**)

- Time
- Connections of people

Want people to get lost in the data / create a deep map

Query php endpoints for data

Keep in mind that there will be independent usability tests after the semester is over

We have creative freedom for how things will look
Needs to be usable by anyone

There is a 3rd person, Ryan Williams, that knows more about the programming parts

Trying to eliminate tabs--- make search tool more simple.

Create improved reader interest in the instructions.

Keweenaw Time Travelers



Group 0b100

Scientist Meeting Notes

January 31st 2020, 2:30 P.M.- 3:30 P.M.

Location: GLRC 316

– Scientists –

Don LaFreniere, Sarah Scarlett

– Attendance –

Mason Sayles, Rebecca Barkdoll, Daniel Lambert,
Kyle Alberth, Evan Monko, Ryan Ader

– Discussion Items –

- Don't change how results show up on the map.

Search bar with filters able to be selected

- Have census, places, stories, addresses, workers, children, directories
- 2 part search, search then filter (like Amazon or Walmart does, but with a more Handshake appearance)
- Filters still have numbers indicating how many items there are
- Can have more than one row of filters to choose from
- Have tutorial linked at the bottom of the search side panel, but have very basic instruction paragraph in white space below search
- Have general default message telling people what they can do on main page
 - Search names or places
- Google-like search, gives a subset of most relevant results
- le People
 - Give last name, and year
- Addresses (can lump this into the places tag)
 - #
 - St name

- Town
- Year
- Stories
 - As is
- Place
- When a filter is clicked on it will expand from the subset to show everything, other categories will be removed to make room to show that given category that you want to expand
- When clicking on individual result, a pop-up or sidebar will appear with more info. If possible, attach it to a location on the map

