

Website Stakeholders, Goals and Task Analysis

Evaluation Assignment 1

Keweenaw Time Traveler Story Query Tool

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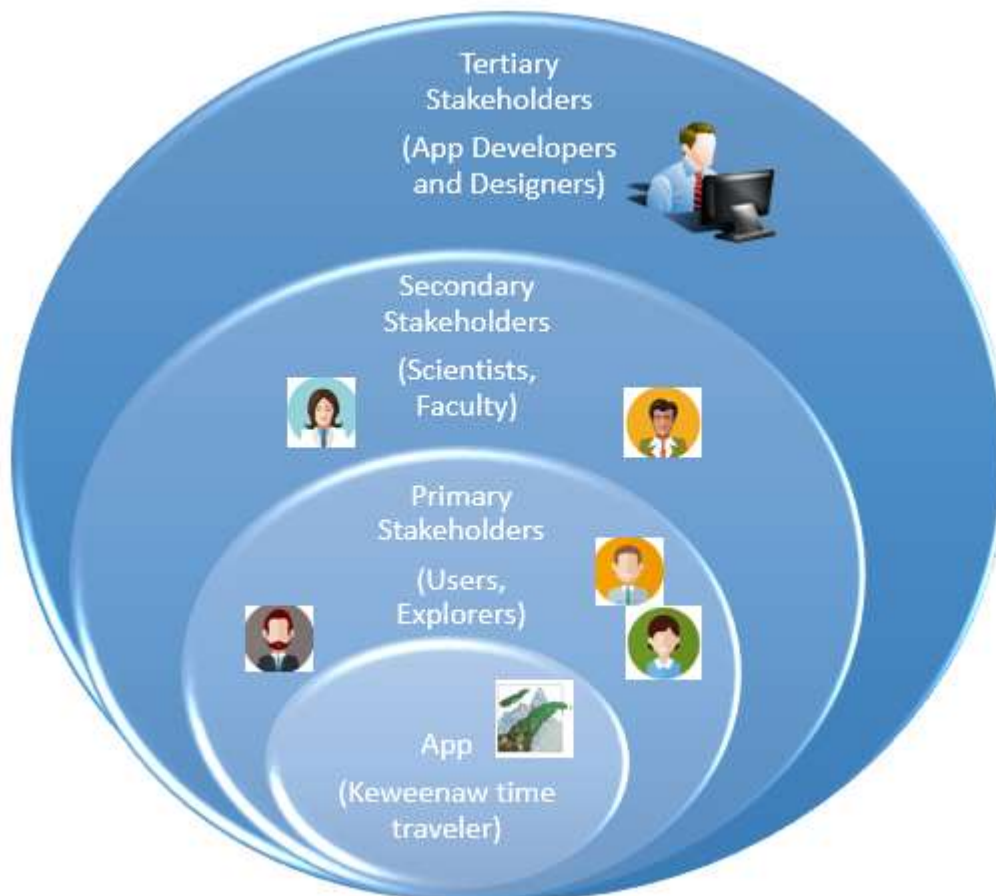
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Description of System

Konnected Keweenaw will be working to improve upon an existing application that aims to bring user submitted history to the public and present it in an organized way. Users can submit experiences or documents and link this information to a specific time period and location in the Keweenaw. Keweenaw Time Traveler aims to bring primary source history to a broad number of people interested in the Keweenaw past. As a team, Konnected Keweenaw will be updating the search function to interact with the already operating database to bring better, more relevant information to a searching user. The goal is to not only retrieve this information quickly and accurately, but also pull the user into the site using recommended stories or pictures based on their searches since the more time a user spends on the site, the more stories are shared. Furthermore, an emphasis on the scalability of the database and querying function is required by the scientists. Although there are only around 700 entries on the site currently, it is important to design updates to work when there are exponentially more entries.

Stakeholder Analysis

Stakeholder Onion Diagram



Description of Stakeholders

App (Keweenaw time traveler): This web application provides the historic moments of Keweenaw to users in an organized way and lets users to share their own stories which happened at certain time period and location in Keweenaw. App is the core of the onion diagram. It is subset of all other entities in the diagram.

Primary Stakeholders: These are the users of the above application. This includes users, explorers and any person who wants to share or shares their story which happened to be in the Keweenaw in the application.

Secondary Stakeholders: These are Faculty and Scientists who set a goal of what to achieve in the app. They provide proper guidance and feedback to developer in developing the app. Scientists are the people who approve the final work of what developers achieved.

Tertiary Stakeholders: These are the developers who are concerned with the facets of the app development which includes research, design, programming, and testing of the application. This also includes usability consultants who provides proper evaluation of application for improvement. These are the people who influence the app directly.

Stakeholder Goal Influence Table

Stakeholder	Goals	Contributing Influences	Constraining Influences
Users	Search for stories and gain knowledge about history of Keweenaw or share their own story	Ask questions if the interface of application is not proper and can't create stories	Interact with the interface and correct the constrains that are faced.
Student Explorers	Go through the application and seeing the historic content	Provides feedback from their perspective for improvement	Considering feedback and Interact with the interface for improvement
Scientists	Analyze data and share their contribution in the form of suggestion or feedback and then make conclusions	Provides feedback and suggest many things for better usage of application	Considering feedback and Interact with the interface and work on errors if any.

Developers	To collaborate with team and work on application to achieve the goals.	Provides results and deliver the application	Developing and fulfilling the requirement
Evaluators (Consultants)	To provide the proper evaluation about the progress and process improvements	Provides with calculative feedback which is required for the next step in app	Considering the calculations and work accordingly

Summary of Stakeholder Goal Influence Table

In terms of contributing influences, Users and Explorers play the key role, because it is them who are providing the date for the application through which it serves its main purpose. Users are expected to be the main data sources for this application which is the historic moments of Keweenaw. While, Scientists also play an important role who go thoroughly through the app and suggest many things for the betterment. Once the user provides data, scientists will curate the data and make it clean for the analysis. Developers and evaluators work on application, provides results and deliver the application.

For the constraining influences, users might have the requirements which includes user friendly environment, which is easy and fast to interact. Feedbacks of users or student explorers are considered and needed to be clarified. Because if the app is not up to mark users may commit mistakes in entering the date that they know which might not be accurate. Stories of users are broadcasted error free only after scientists have accurate analysis regarding that. For the development team, the app might be constrained by the time limitation.

Persona

Primary Stakeholders

Name: Barry Allen



Age: 28

Residence: Los Angeles, California

Description: Barry Allen is private investigator and scientist in Criminal and Forensic Science and likes exploring things. Barry Allen happened to visit Keweenaw for some criminal case

investigation which happened long ago, found it interesting and decided to share the incident in application.

Name: Oliver Queen



Age: 32

Residence: Cincinnati, Ohio

Description: Oliver Queen is a billionaire playboy, turned archer vigilante of his City who is interested in convicting the criminal who have not been caught as per law. Found an article in Keweenaw and made his conviction successful.

Secondary Stakeholders

Name: Cisco Ramon



Age: 35

Residence: Milwaukee

Description: Cisco Ramon works as a scientist in S.T.A.R Labs. He is interested in analyzing data collected from primary users/explorers.

Name: Lena Luthor



Age: 34

Residence: Anchorage, Alaska

Description: Lena Luthor works as a scientist and a teaching faculty in CatCo Labs. She likes to teach and share her knowledge about how to use tools and what to be achieved in the application.

Simplified Hierarchical Task Analysis (HTA)

Keweenaw Time Traveler Home View

Click Start the Time Traveler

How would you like to Time travel today Home View

Click Explore

Share Story Home View

Search mode: → Stories

Type any tag for story

Click Search

Map View

Select your story from list displayed on left side

Summary of the Simplified Hierarchical Task Analysis

Keweenaw Time Traveler starts with a homepage, then user should click on Start the Time Traveler button which takes user to next page with header “How would you like to Time travel today”. And then user will scroll down and click on Explore which takes to page with header “Share story”. User selects Stories tab from Search mode, gives in any tag regarding the story he wanted to view and then click Search button. Finally, a list of story will be displayed on the left side of the page with a map view and then user can select story.

Appendix

Notes from the meeting with Scientists

Meeting 1 – Date: 01/25/2019

The primary goal is to modify the existing search option and make searching more interesting such as when user is searching for one thing, they will then be curious to look into something else, so it should be made more easier for user. Advanced search option can be added for this. Scientists mentioned that there are currently 700 entries on the site and in order to expand they are expecting more scalability of database as there might be an exponential growth in data. The dots on the maps should be different for different search results which makes it more user friendly.