Kalamazoo Nature Center Project Minutes

Members and Emails:

Geoffrey Fleenor; geoffrey.j.fleenor@wmich.edu

Ernest Au; ernestyuewei.au@wmich.edu

Eugene Tye; weishun.tye@wmich.edu

Devin Ragotzy; devin.j.ragotzy@wmich.edu

Xin Yi Koay; [xinyi.koay@wmich.edu](mailto:xinyi.koay@wmich.edu)

Week 10 minutes

1. Date

3/28/23

1. Attendance

Geoff, Ernest, Eugene, Devin, Xin Yi, Justin, Dr. Shen

1. Who missed the meeting

No one missed the meeting

1. General Meeting Info

The team met on zoom with Dr. Shen and the client at 9:00am for 1 hour

1. What has been discussed (artifacts produced)

The team received feedback from the client about the UI and how it was planned to work. Justin offered feedback on the visual components of the UI, as well as how it will work.

1. Next Week Plan

The plan for next week is to finish all of the required documents by the due date of Friday at midnight.

1. Name and location of artifacts
   1. Minutes from meeting with client – Microsoft Word

Week 9 Minutes

1. Date

3/28/23

1. Attendance

Geoff, Ernest, Eugene, Devin, Xin Yi

1. Who missed the meeting

No members missed the meeting

1. General Meeting info:

The team met in discord on Tuesday morning at 9:30am for 1 hour

1. What has been discussed? (new artifacts)

The team created the requirements matrix, and the UML Diagram to show the relationship between the classes.

1. Next Week Plan

The plan for next week is to make some improvements to the UI based on feedback from the KNC and work on improving the UML Diagram and the requirements matrix.

1. Name/location of artifacts
2. Research Matrix – Google sheets
3. UML Diagram – Google Docs

Week 8 Minutes

1. Date

3/21/23

1. Attendance

Geoff, Ernest, Eugene, Devin, Xin Yi

1. Who miss(es) the meeting?

No members missed the meeting.

1. General meeting info: start time; end time; meeting length in minutes, location etc

The team met on discord Tuesday morning at 9:30 for 30 minutes.

1. What has been discussed (what artifacts have been produced in the past week)

The team discussed the different app designs and decided that Xin Yi’s design was the best. The group made some slight changes to the design and then emailed the client pictures of the design and a sample where they were able to click through pages of the app.

1. Next week Plan

The plan for next week is to create the presentation for next week and create the documents required discussed in class.

1. Name/location of the artifacts produced.
   1. Emails to client about app design
   2. App designs for mobile app UI

**Week 7 Minutes**

Date

3/16/23

Attendance

Geoff, Ernest, Eugene, Devin, Xin Yi

Who miss(es) the meeting?

No members missed the meeting.

General meeting info: start time; end time; meeting length in minutes, location etc

The team met on discord Thursday morning in class

What has been discussed (what artifacts have been produced in the past week)

The team discussed different ways to produce a UI sample to show they client. The group decided on using a website called uizard.io, where the users can drag and drop elements to create their mobile app.

Next week Plan

The plan for the next week is for the members to all work individually to create their app design and then meet to discuss which designs to take.

Name/location of the artifacts produced.

No artifacts produced.

**Week 6 Minutes**

Date

2/14/23

Attendance

Geoff, Ernest, Eugene, Devin, Xin Yi

Who miss(es) the meeting?

No members missed the meeting.

General meeting info: start time; end time; meeting length in minutes, location etc

The team met on discord Tuesday morning at 9:30am.

What has been discussed (what artifacts have been produced in the past week)

The team spent time preparing applications for grant money and submitted two applications for a total of a possible 6,000 dollars. They application described an outline of the project and the timeline of the project. The team also divided up some responsibilities to learn and research building the app. Geoffrey and Ernest will research UI development in React. Eugune, Devin, and Xin Yi will research the framework, and database structure that will possibly need to be created.

Next week Plan

The plan for next week is to report back what the team had learned from researching and most likely continue researching and starting to program mock mobile apps to get more familiar with JavaScript and React.

Name/location of the artifacts produced.

* + - * 1. Applications for scholarship money
        2. Research on components of react and JavaScript

**Week 5 Minutes**

1. Date

2/7/23

1. Attendance

Geoff, Ernest, Eugene, Devin, Xin Yi

1. Who miss(es) the meeting?

No members missed the meeting.

1. General meeting info: start time; end time; meeting length in minutes, location etc

The team met on discord Tuesday morning at 9:30am.

1. What has been discussed (what artifacts have been produced in the past week)

The team discussed what needed to be finished on the google slides for the presentation on Thursday. The only artifacts produced were continuing to work on the slides for the presentation, as well as the Software Requirements Document.

1. Next week Plan

The plan for the next week is to work to get Android Studio on each members laptop and continue to learn React Native and JavaScript for mobile app development.

Name/location of the artifacts produced.

a. SRS Document; Stored on Google Drive

b. Presentation Slides; Google Drive

Week 4 Minutes

* 1. Date

1/31/23

* 1. Attendance

Geoffrey, Ernest, Eugene, Devin, Xin Yi

* 1. Who miss(es) the meeting?

No members missed the meeting.

* 1. General meeting info: start time; end time; meeting length in minutes, location etc

The group online over discord at 9:30am. The meeting lasted for 30 minutes.

* 1. What has been discussed (what artifacts have been produced in the past week)

The group first discussed the meeting with the client that happened the previous week. The group highlighted some key parts of the meeting and went over notes they took during the meeting. The group created a requirements document to start planning out the technical scope of the project and how they plan to accomplish the different parts of the project.

* 1. Next week Plan

The plan for next week is to work on getting each member setup with VS Code, Android Studio, and React Native. These are all components needed to build the app. The group also plans to create the presentation for the next class that will cover the scope of the project.

* 1. Name/location of the artifacts produced.
* Requirements Document for scope of project (Google Doc)
* Project Scope Presentation (Google Slides)

Meeting with client Minutes

1. Date

1/27/23

2. Attendance

Geoffrey, Ernest, Eugene, Devin, Xin Yi, Members of Kalamazoo Nature Center

3. Who miss(es) the meeting?

No members missed the meeting.

4. General meeting info: start time; end time; meeting length in minutes, location etc

The group met for about an hour at the Kalamazoo Nature Center. The Meeting started shortly after noon and went until 1pm.

5. What has been discussed (what artifacts have been produced in the past week)

Below are a list of notes taken during the meeting with the client:

Purposes:

a) Offer visual and audio interpretation (story telling). In person and remotely.

b) Store past, present & future exhibits in app.

1. Priority: Heritage Food Waste Trail

* Tell the history of indigenous, black and white settlers who farmed on the Heritage Food Waste Trail (partnered with tribes and black historians)
* Story trails (hear stories along trails)
* Story map (via webpage, digital museum experience)
* Visual/Audio /Video/Images/Narrations/Interviews
* Possibly in various languages

1. Problems to solve

* If its external extension, Rachel can manage. If its app, no one manages.
* Storage: No database. Videos on YouTube (playlists), images on website. For app, bad connection to view videos – have to create database.
* Exhibits: Move physical exhibits online
* Link social media
* Investment in server space, host, license: applied grant for this project, fiscal year in September, set the cost/budget in March
* Want trail app in app stores?
* Color palate: ??

1. How app works?

* Signs with QR code at various points of the trail
* Visitors stop to scan QR code, leading to the app
* App contains narrations + visual/audio sources
* Idea: Menu 🡪 Exhibits 🡪 Visual/Audio tour 🡪 video/audio interviews or zoom in images

1. Progress:

* Working on contents and point of interest now
* Signs ready by Summer
* Contents ready by Fall
* KNC Timeline: get contents ready, install signs July/August, public harvest ceremony in October
* Soft deadline: get app audio/visual aspect done by October

Additional info:

1. 1200 acres + of land, can enter trail at various locations.
2. CSA – buy and harvest share - 16 weeks in Summer, 8 weeks in Fall
3. Exhibits are rotated annually (down in May, up in June)

Our Research

1. How do other trail apps resolve connection issues?

* AllTrails app
* Usage of GPS?

1. How much would does it costs to buy server etc.
2. KNC Dummies Guide: creating original app vs adding component to the website

* Pros, cons, costs, logistic challenge in the future

Point of contact:

* Rachel – website stuff
* Lisa – social media
* Justin & Carly – content

Who are they?

* Jenny - VP
* Carly - exhibits
* Rachel – comm, website, graphic design, newsletter
* Lisa – director of comm, social media, radio, tv
* Justin – engagement director

6. Next week Plan

The plan for next week is to work on the presentation and go over the meeting.

7. Name/location of the artifacts produced.

* Notes from meeting with the client (Google Doc)
* Microsoft Teams Chat with Client (Microsoft Teams)

Week 3 Minutes

1. Attendance

Geoff, Ernest, Eugene, Devin, Xin

1. Who miss(es) the meeting?

No one

1. General meeting info: start time; end time; meeting length in minutes, location etc

The group met at 9am on Thursday in Floyd Hall. The meeting lasted for 30 minutes.

1. What has been discussed (what artifacts have been produced in the past week)

The group emailed the client to confirm the meeting tomorrow (1/27/23) was in person. The group then finished brainstorming a list of questions to possibly ask in the meeting regarding the system requirements of the app. Xin also joined the group this week.

Artifacts produced include emailing the client to confirm meeting time and location, continuing to build out questions for system requirements.

1. Next week Plan

The group plans to meet again on Tuesday (1/31/23) to:

* 1. go over the meeting with the client.
  2. Start planning the presentation.

1. Name/location of the artifacts produced.

Artifacts Produced:

Emails with the client to confirm meeting time

Finalized meeting brainstorm ideas for requirements.

**Week 2 Minutes**

1. Date

Geoff, Ernest, Eugene, Devin

2. Attendance

All Group members were in attendance.

3. Who miss(es) the meeting?

4. General meeting info: start time; end time; meeting length in minutes, location etc

The group met at 9am on Tuesday in Floyd Hall. The meeting lasted about one hour.

5. What has been discussed (what artifacts have been produced in the past week)

The group emailed the client for the first time asking when they would be able to meet. The client responded and the group setup a time to meet on 1/27/22 at 12pm. The group will meet at the Kalamazoo Nature center and talk with several employees to get a good understanding of the scope of the project and what is expected.

Artifacts produced by the group include an email conversation with the client, and a brainstormed list of questions the group has for the client.

6. Next week Plan

The group plans to meet on Thursday, (1/26/22), to begin:

1. Brainstorming software development requirements and process
2. Creating a list of questions to ask during the meeting that will give a complete picture of requirements and timeline for the project

7. Name/location of the artifacts produced.

Artifacts Produced:

1. Group Chat through texting
2. Email Conversation with client
3. Brainstormed questions to ask client in meeting

**Week 1 Minutes**

1. Date

1/12/2023

2. Attendance

Geoff, Ernest, Eugene, Devin

3. Who miss(es) the meeting?

All Group members were in attendance

4. General meeting info: start time; end time; meeting length in minutes, location etc

The group met at 8:30am on Thursday in Floyd Hall. The meeting lasted about one hour

5. What has been discussed (what artifacts have been produced in the past week)

The group spent the time discussing which project to choose and finalizing which members would be in the group. The group has chosen to work on the first of the 2 possible jobs given by the Kalamazoo Nature Center. This is the project that requires building an app for the KNC to help explain historical significance of the trails and surrounding area using QR codes. The only artifacts the group produced were setting up a group chat and Discord server to communicate about the project.

6. Next week Plan

The group plans to meet on Tuesday, (1/17/22), to begin:

Brainstorming software development requirements and process

Contacting the KNC to set-up a time to meet

7. Name/location of the artifacts produced.

Artifacts Produced:

Group Chat through texting

Discord Server for meeting/collaborating online