CS4900/CS4910 Senior Design Class Meeting Minutes

Project Title: **Kalamazoo Pedestrian Navigation Web-App**

Project Members (with email):  
 - Austin Miller, [austin.j07.miller@wmich.edu](mailto:austin.j07.miller@wmich.edu) - Bjarne Wilken, [Bjarne.wilken@wmich.edu](mailto:Bjarne.wilken@wmich.edu) - Christian Fuentes, [cdd9168@wmich.edu](mailto:cdd9168@wmich.edu) - Matthew Phillips, [matthew.a.phillips@wmich.edu](mailto:matthew.a.phillips@wmich.edu) - Mike Henke, [mgs8776@wmich.edu](mailto:mgs8776@wmich.edu)

**Weekly Meetings**

**Week 13**  
  
Date: 13.04.2023  
  
Attendees:  
\* Austin Miller  
\* Bjarne Wilken  
\* Christian Fuentes  
\* Matthew Phillips  
  
Who missed the meeting:  
\* Mike Henke  
  
General meeting Information:  
\* 8:30 AM – 9:30 AM (60 minutes)  
\* Class  
  
What has been done:  
\* Check in with Prof.  
  
Next week's goals:  
\* bug fixes  
\* working on algorithm on the backend  
\* working on frontend for GUI  
  
Name / location of the artifacts:  
\* Website - <http://dyndns.famwilke.de:8125/>\* Class Diagram   
\* Database Design - <https://drawsql.app/teams/wmu-senior-design/diagrams/kzoo-portage-routeplanning>

**Week 13**  
  
Date: 11.04.2023  
  
Attendees:  
\* Austin Miller  
\* Bjarne Wilken  
\* Christian Fuentes  
\* Matthew Phillips  
\* Mike Henke  
  
Who missed the meeting:  
\* None  
  
General meeting Information:  
\* 8:00 AM - 10:00 AM (120 minutes)  
\* Floyd Hall Study Area F  
  
What has been done:  
\* Algorithm Class Diagram and UML Diagramm  
\* Algorithm for the backend Pseudo-Coded  
\* DB-Interface Pseudo-Coded  
  
Next week's goals:  
\* bug fixes  
\* working on algorithm on the backend  
\* working on frontend for GUI  
  
Name / location of the artifacts:  
\* Website - <http://dyndns.famwilke.de:8125/>

**Week 12**  
  
Date: 07.04.2023  
  
Attendees:  
\* Austin Miller  
\* Bjarne Wilken  
\* Christian Fuentes  
\* Matthew Phillips  
  
Who missed the meeting:  
\* Mike Henke  
  
General meeting Information:  
\* 02:00 PM - 03:00 PM (60 minutes)  
\* Online via Discord  
  
What has been done:  
\* Meeting with Client Chckup  
  
Next week's goals:  
\* bug fixes  
\* working on algorithm on the backend  
\* working on frontend for GUI  
  
Name / location of the artifacts:  
\* Website - <http://dyndns.famwilke.de:8125/>**Week 12**  
  
Date: 06.04.2023  
  
Attendees:  
\* Austin Miller  
\* Bjarne Wilken  
\* Christian Fuentes  
\* Matthew Phillips  
  
Who missed the meeting:  
\* Mike Henke  
  
General meeting Information:  
\* 8:30 AM - 10:00 AM (90 minutes)  
\* In Class  
  
What has been done:  
\* Presentation  
\* check up with professor  
  
Next week's goals:  
\* bug fixes  
\* working on algorithm on the backend  
\* working on frontend for GUI  
  
Name / location of the artifacts:  
\* Website - http://dyndns.famwilke.de:8125/  
  
  
  
**Week 12**  
  
Date: 04.04.2023  
  
Attendees:  
\* Austin Miller  
\* Bjarne Wilken  
\* Christian Fuentes  
\* Matthew Phillips  
\* Mike Henke  
  
Who missed the meeting:  
\* None  
  
General meeting Information:  
\* 8:00 AM - 10:00 AM (120 minutes)  
\* Floyd Hall Study Area F  
  
What has been done:  
\* work on Algorithm and backend update for the website  
\* New Meeting with Client  
\* bug fixes  
  
Next week's goals:  
\* bug fixes  
\* working on algorithm on the backend  
\* working on frontend for GUI   
  
Name / location of the artifacts:  
\* Website - <http://dyndns.famwilke.de:8125/>

**Week 11**

(The following is the weekly meeting minutes)

Date

* + - 31/03/2023

Attendance

* + - Austin Miller
    - Bjarne Wilken
    - Christian Fuentes
  + Matthew Philips
  + Mike Henke

Who miss(es) the meeting?

* + NONE

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

* + 9:30 AM – 10:15AM (45 Minutes) Online via Discord

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

* general Discussion for the next steps
* bug fixes

Next week Plan

* bug fixes
* get into smaller teams to work on the project more efficiently
* Get a full route printed on the map

Name/location of the artifacts produced.

Website - <http://dyndns.famwilke.de:8125/>

PowerPoint - <https://1drv.ms/p/s!AhKEzf-ETZjigbDHMkXP9V40IViCSpU?e=LgGhC2>

**Week 11**

(The following is the weekly meeting minutes)

Date

* + - 30/03/2023

Attendance

* + - Austin Miller
    - Bjarne Wilken
    - Christian Fuentes

Who miss(es) the meeting?

* + Matthew Philips
  + Mike Henke

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

* + 8:30 AM – 10:00AM (90 Minutes)
  + In Class

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

* Presentation

Next week Plan

* bug fixes
* get into smaller teams to work on the project more efficiently
* Get a full route printed on the map

Name/location of the artifacts produced.

Website - <http://dyndns.famwilke.de:8125/>

PowerPoint - <https://1drv.ms/p/s!AhKEzf-ETZjigbDFYu10W53o_SxbqMM?e=TDLdb8>

**Week 11**

(The following is the weekly meeting minutes)

Date

* + - 28/03/2023

Attendance

* + - Austin Miller
    - Bjarne Wilken
    - Christian Fuentes
  + Matthew Philips
  + Mike Henke

Who miss(es) the meeting?

* + NONE

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

* + 8:00 AM – 10:00AM (120 Minutes) Floyd Hall Study area F

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

* Presentation for Thursday in class
* Class UML diagram
* DataBase Schema
* general Discussion for the next steps
* bug fixes

Next week Plan

* bug fixes
* get into smaller teams to work on the project more efficiently
* Get a full route printed on the map

Name/location of the artifacts produced.

Website - <http://dyndns.famwilke.de:8125/>

PowerPoint - <https://1drv.ms/p/s!AhKEzf-ETZjigbDFYu10W53o_SxbqMM?e=TDLdb8>

**Week 11**

(The following is the weekly meeting minutes)

Date

* + - 23/03/2023

Attendance

* + - Austin Miller
    - Bjarne Wilken
    - Christian Fuentes
  + Matthew Philips

Who miss(es) the meeting?

* + Mike Henke, he did not notify us about him being late/absent

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

* + 8:00 AM – 10:00AM (120 Minutes) Floyd Hall Study area F

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

* planning for the presentation
* bug fixes
* Starting the Class diagram

Next week Plan

* Finish the Class diagram
* bug fixes
* PowerPoint - in class

Name/location of the artifacts produced.

Website - <http://dyndns.famwilke.de:8125/>

PowerPoint - <https://1drv.ms/p/s!AhKEzf-ETZjigbDFYu10W53o_SxbqMM?e=TDLdb8>

Class diagram - <https://1drv.ms/i/s!AhKEzf-ETZjigbDGeeWiXBgqLLBpXkM?e=iHxLmx>

**Week 10**

(The following is the weekly meeting minutes)

Date

* + - 21/03/2023

Attendance

* + - Austin Miller
    - Bjarne Wilken
    - Christian Fuentes
  + Matthew Philips

Who miss(es) the meeting?

* + Mike Henke, he did not notify us about him being late/absent

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

* + 8:00 AM – 10:00AM (120 Minutes) Floyd Hall Study area F

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

* Updating and cleaning up the design document
* Added a bug page on Discord to keep track of bugs
* Flask is going to be used to help with back end and front end development
* Working on the PowerPoint for the presentation next week
* Thinking of ways to add security measures to the webpage

Next week Plan

* Work on the class diagram
* Continue fixing noticeable bugs on the website
* Work on the PowerPoint for next presentation
* Trying to draw a line between two points (and then a bunch of points to draw a route)
* Update Requirements Document

Name/location of the artifacts produced.

* Website (Should be online): <http://dyndns.famwilken.de:8125/>
* DB schema: <https://drawsql.app/teams/wmu-senior-design/diagrams/kzoo-portage-routeplanning>

**Week 9**

(The following is the weekly meeting minutes)

Date

* + - 14/03/2023

Attendance

* + - Austin Miller
    - Bjarne Wilken
    - Christian Fuentes
  + Matthew Philips
  + Mike Henke

Who miss(es) the meeting?

* + - - -

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

* + 8:30 AM – 10:30AM (120 Minutes) Floyd Hall Study area F

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

* Backend production for the website.
* Fixing a bug with two pointe the Website
* Flask is going to be used to help with back end and front end development
* Working on the general design of the Website

Next week Plan

* Work further on UI-Design
* Continue fixing noticeable bugs on the website
* Trying to draw a line between two points (and then a bunch of points to draw a route)
* Update Requirements Document

Name/location of the artifacts produced.

* Website (Should be online): <http://dyndns.famwilken.de:8125/>

**Week 8**

(The following is the weekly meeting minutes)

Date

* + - 03/03/2023

Attendance

* + - Austin Miller
    - Bjarne Wilken
    - Christian Fuentes
  + Matthew Philips

Who miss(es) the meeting?

* + Mike Henke, he did not notify us about him being late/absent

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

* + 2:00 PM – 3:30PM (90 Minutes) Floyd Hall Study area F

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

* Asked more about colors to use on the Website
* We also asked the general scope of the location for the Route Planner
* Got the prototype logo for Modeshift Kalamazoo mode shift logo

Next week Plan

* Work further on UI-Design
* Check with Dustin to meet again
* Trying to draw a line between two points (and then a bunch of points to draw a route)
* Update Requirements Document

Name/location of the artifacts produced.

* Website (Should be online): <http://dyndns.famwilken.de:8125/>

**Week 8**

(The following is the weekly meeting minutes)

Date

* + - 28/02/2023

Attendance

* + - Austin Miller
    - Bjarne Wilken
    - Christian Fuentes
  + Matthew Philips
  + Mike Henke

Who miss(es) the meeting?

* + - - -

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

* + 8:30 AM – 11:00AM (150 Minutes) Floyd Hall Study area F

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

* Backend production for the website.
* Fixed the Website
* Flask is going to be used to help with back end and front end development
* Trying to figure out what colors to use on the Website, (check with Dustin)
* Created a Basic Database

Next week Plan

* Work further on UI-Design
* Check with Dustin to meet again
* Trying to draw a line between two points (and then a bunch of points to draw a route)
* Update Requirements Document

Name/location of the artifacts produced.

* Website (Should be online): <http://dyndns.famwilken.de:8125/>

**Week 7**

(The following is the weekly meeting minutes)

Date

* + - 21/02/2023

Attendance

* + - Austin Miller
    - Bjarne Wilken
    - Christian Fuentes
  + Matthew Philips
  + Mike Henke

Who miss(es) the meeting?

* + - - -

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

* + 8:30 AM – 10:00AM (90 Minutes) Floyd Hall Study area F

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

* Backend production for the website.
* Flask is going to be used to help with back end and front end development
* Exchange of new Found Knowledge on Folium
* Website (May be offline): <http://dyndns.famwilken.de:8125/>

Next week Plan

* Software Design Documentation
* Schedule another meeting with Dustin
* Start to implement linking of the Website
* Finish UI-Design
* Get First Website up (maybe)

Name/location of the artifacts produced.

* Website (May be offline): <http://dyndns.famwilken.de:8125/>

**Week 6**

(The following is the weekly meeting minutes)

Date

* + - 23/02/2023

Attendance

* + - Austin Miller
    - Bjarne Wilken
    - Christian Fuentes
  + Matthew Philips
  + Mike Henke

Who miss(es) the meeting?

* + - - -

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

* + 8:30 AM – 09:45AM (75 Minutes) In Classs

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

* Backend production for the website.
* Flask is going to be used to help with back end and front end development
* Website (May be offline): <http://dyndns.famwilken.de:8125/>

Next week Plan

* Software Design Documentation
* Schedule another meeting with Dustin
* Possibly start to implement and work out the kinks in a website design

Name/location of the artifacts produced.

* Website (May be offline): <http://dyndns.famwilken.de:8125/>

**Week 6**

(The following is the weekly meeting minutes)

Date

* + - 14/02/2023

Attendance

* + - Austin Miller
    - Bjarne Wilken
    - Christian Fuentes
  + Matthew Philips

Who miss(es) the meeting?

* + Mike Henke – Notified the team on Discord

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

* + 8:45 AM – 10:00AM (75 Minutes) Floyd Hall Study area F

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

* Backend production for the website.
* Flask is going to be used to help with back end and front end development
* Website (May be offline): <http://dyndns.famwilken.de:8125/>

Next week Plan

* Software Design Documentation
* Schedule another meeting with Dustin
* Possibly start to implement and work out the kinks in a website design

Name/location of the artifacts produced.

* Website (May be offline): <http://dyndns.famwilken.de:8125/>

**Week 5**

(The following is the weekly meeting minutes)

Date

* + - 10/02/2023

Attendance

* + - Austin Miller
    - Bjarne Wilken
    - Christian Fuentes
  + Matthew Philips
  + Mike Henke

Who miss(es) the meeting?

* + NA

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

* + 12:45 – 14:00 Waldo-Library, Meet With Dustin [on Teams]

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

* Talk / meet with Dustin

Next week Plan

* Design Documentation
* Data structures

Name/location of the artifacts produced.

* Some ground information figured out, Server sided etc.

**Week 5**

(The following is the weekly meeting minutes)

Date

* + - 09/02/2023

Attendance

* + - Austin Miller
    - Bjarne Wilken
    - Christian Fuentes
  + Matthew Philips
  + Mike Henke

Who miss(es) the meeting?

* + NA

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

* + 8:30 – 10:00 (In class presentation)

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

* First in class presentation

Next week Plan

* See what Changes come after the meet with Dustin

Name/location of the artifacts produced.

* Presentation + Feedback

**Week 5**

(The following is the weekly meeting minutes)

Date

* + - 07/02/2023

Attendance

* + - Austin Miller
    - Bjarne Wilken
    - Christian Fuentes
  + Matthew Philips
  + Mike Henke

Who miss(es) the meeting?

* + NA

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

* + 9:00 – 10:00 , Study Lounge F - Parkview , 60 mins

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

* Finished working on Software Requirements [[KzooRPReq.docx](https://1drv.ms/w/s!AhKEzf-ETZjigbCOSGmAhO29E8J1KpQ?e=Cu5tS4)]
* Finished working on the PowerPoint Presentation for In class presentation
* Got First HTML Idea-Site Done.
* Planning a Meeting with Dustin (Client) to show him status / talk and to check in

Next week Plan

* See what Changes come after the meet with Dustin

Name/location of the artifacts produced.

* Software Requirements Document
* Presentation for Thursday
* HTML Website-IDea

**Week 4**

(The following is the weekly meeting minutes)

Date

* + - 02/02/2023

Attendance

* + - Austin Miller
    - Bjarne Wilken
    - Christian Fuentes
  + Matthew Philips

Who miss(es) the meeting?

* + Mike Henke

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

* Fresh-up talking about Software Requirements
* Finding new Meeting time with Dustin
  + Build a Mock-up UI for Website to show Dustin

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

* Working further on Software Requirements [[KzooRPReq.docx](https://1drv.ms/w/s!AhKEzf-ETZjigbCOSGmAhO29E8J1KpQ?e=Cu5tS4)]
* Austin wants to do PowerPoint for the Presentation next Week Thursday

Next week Plan

* Finish work on the Software Requirements document
* Get first Website Design UI,
  + Build in PowerPoint to show to Dustin
* Preparing the PowerPoint for the Presentation on the 9th of February.

Name/location of the artifacts produced.

Software Requirements Document

**Week 4**

(The following is the weekly meeting minutes)

Date

* + - 01/31/2023

Attendance

* + - Austin Miller
    - Bjarne Wilken
    - Christian Fuentes
  + Matthew Philips
  + Mike Henke

Who miss(es) the meeting?

* No-one

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

* Study area F – Floyd Hall
* 9:00 – 10:00 am
* First tests with API , first HTML tests
  + Team Bonding

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

* Started working on Software Requirements,

Exchange of some Tests and sharing of results

Next week Plan

* Work further on the Software Requirements document
* Continue building the websites
* Messing / testing more how to work with API’s and how to get data thru it
* Preparing the PowerPoint for the Presentation on the 9th of February.

Name/location of the artifacts produced.

Software Requirements Document

**Week 3**

(The following is the weekly meeting minutes)

Date

* + - 01/24/2023

Attendance

* + - Austin Miller
    - Bjarne Wilken
    - Christian Fuentes
  + Matthew Philips
  + Mike Henke

Who miss(es) the meeting?

* No-one

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

* Study area F – Floyd Hall
* 9:00 – 10:00 am
* Programming Languages (General Idea for now):
  + HTML, CSS, PHP, JavaScript, Python

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

* Started working on Software Requirements

Next week Plan

* Work further on the Software Requirements document
* Starting first attempts on Website Designs
* Look at open Street maps API
  + Trying to figure out how to connect to the OpenStreetMap API

Name/location of the artifacts produced.

* Software Requirements Document

**Week 2**

(The following is the weekly meeting minutes)

Date

* + - 01/20/2023

Attendance

* + - Bjarne Wilken
    - Christian Fuentes
    - Matthew Philips

Who miss(es) the meeting?

* Mike Henke, Austin Miller.

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

* Waldo Library Group Room 3
* [Introduction\_Dustin\_20\_01\_2023.docx](https://1drv.ms/w/s!AhKEzf-ETZjigbCJbNpV3aAbcdV29T0?e=oLDSaU)

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

* + - General idea and first talk with Dustin ( Client ).

Next week Plan

* Get Base plan , check for ways to implement data ….

Name/location of the artifacts produced.

* Meeting Notes with Dustin, introduced each other.

**Week 2**

(The following is the weekly meeting minutes)

Date

* + - 01/17/2023

Attendance

* + - Austin Miller
    - Bjarne Wilken
    - Christian Fuentes
    - Matthew Philips

Who miss(es) the meeting?

* + - Mike Henke, but he notified us that he couldn’t come in advance.

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

* + - Study Area D
    - 09:00 – 10:00 am, an hour and ten minutes
    - general meeting, go over questions to ask our client for the project, and which model we should use for the project.

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

* + - None, general topic proposal, go over questions to ask our client for the project, and which model we should use for the project.

Next week Plan

* + - Talk to client about the project.

Name/location of the artifacts produced.

* + - Title: “Route Planner”
    - The location for our code for project will be at GitHub at: <https://github.com/B-DUB99/RoutePlanner>

**Week 1**

(The following is the weekly meeting minutes)

Date

* + - 01/12/2023

Attendance

* + - Everyone

Who miss(es) the meeting?

* + - No one

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

* + - Classroom
    - 0830 – 0945 am, an hour and forty-five minutes
    - general meeting

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

* + - None, general topic proposal

Next week Plan

* + - Wait for approval of teacher.

Name/location of the artifacts produced.

* + - None