TimeDrop
Product Management

Sai Mittapalli, Mohamed Aql,
Muhammad Momin Rahman, Abdalla Eltom

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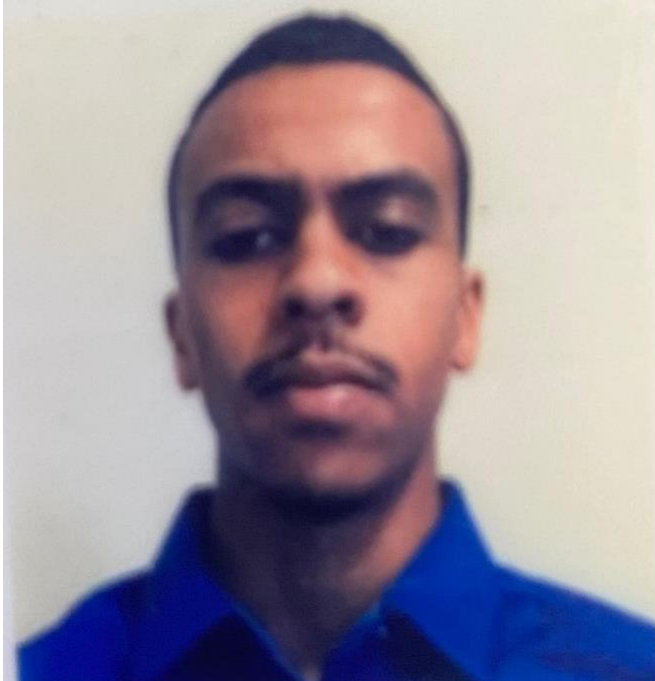## 1. Vision Statement
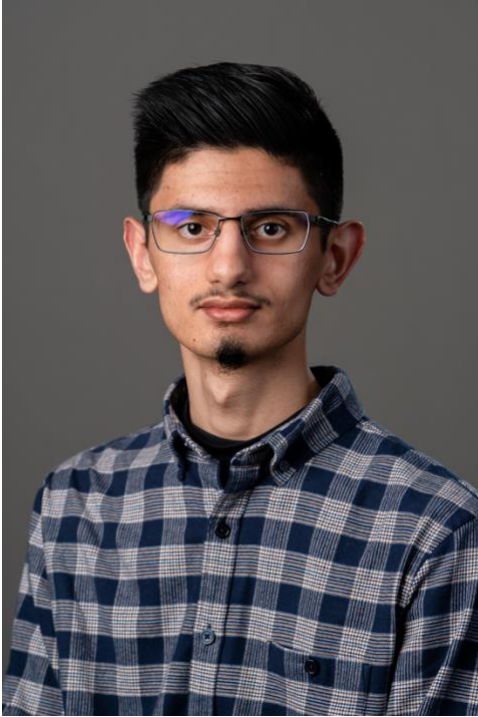
FOR everyday people and students WHO need a way to efficiently organize the various aspects of their lives THE Calendar Software (temporary name) is a web-based service THAT provides multiple views of a schedule, well organized to-do lists, and an interactive monthly calendar. UNLIKE other calendar applications, OUR product will have multiple calendars for different components of life (social, educational, work, and health) and will provide a specific to-do list.

2. Team Profiles

Mohamed Aql
Contact:
- Phone: 816-286-8513
- Email: mohamedaql8@gmail.com

Availability:
- MWF from morning until 1 PM and after 4 PM
- Thursdays between 12:15-2:30 and from 4-6

Major:
- BS Computer Engineering

Relevant courses:
- EECS 168, EECS 268, EECS 368, EECS 388, and EECS 448

Programming languages:
- Java, C++, Python, and JS

Abdalla Eltom
Contact:
- Phone: 785-917-8849
- Email: abdallaeltom@ku.edu

Available:
- Monday: 11AM to 2PM
- Tuesday: 8PM-11PM,
- W: 6PM - 11PM
- Thu:8PM-11PM
- fri: 11PM-1PM, 6PM-8PM
- sat/sun: all afternoon

Major:
- BS Computer Science

Relevant courses:
- EECS 560, EECS 448, EECS 388, PHSX 212, PHSX 236

Programming languages:
- C++ learning python and JS

Muhammad Momin Rahman
Contact:
- Phone: 913-912-9192
- Email: momin3785@outlook.com

Availability:
- MWF from 7 AM to 11 AM (remote only)
- Tuesdays and Thursdays from 1 PM to 2 PM (In-Person).

Major:
- BS Computer Engineering; minor in Pre-Law

Relevant courses:
- EECS 368, EECS 448, EECS 388, EECS 168, and EECS 268.

Programming:
- Python and C++

Saignanadeep Mittapalli
Contact:
- Phone: 443-515-7363
- Email: saimittapalli11@gmail.com

Available:
- Monday and Wednesday from 4 PM to 6 PM
- Tuesday from 5 PM to 7 PM
- Thursday from 9 AM to 11 AM
- Friday from 9 AM to 11 AM and 4 PM to 6 PM

Major:
- BS Computer Engineering on Pre-Medicine Track, Business Minor

Relevant Courses:
- EECS 168, EECS 268, EECS 368, EECS 388

Programming:
- C++, HTML, CSS, JavaScript, Python

3. Roles and Responsibilities

Back-end programming

The two back-end programmers (Muhammad Momin Rahman and Abdalla Eltom) oversee coding and creating the functionalities behind the various pages and functions that are present for the computer application.

Front-end programming

The two front-end programmers (Saignanadeep Mittapalli and Mohamed Aql) oversee creating the various pages and structuring the necessary aspects of a computer application in a user-friendly manner.

***Sai Mittapalli*:** Team Administrator
- Keep up-to-date status of team progress
- Keep log

***Abdalla Eltom*:** Team Manager
- Keep track of individual progress
- Make sure Git and code is running as intended

***Muhammad Momin Rahman*:** Quality Assurance Engineer
- Make sure the final artifacts are of good quality
- Make sure of technical accuracy

***Mohamed Aql*:** Team Coordinator
- Take note of what is talked about during team meetings
- Make deadlines for necessary artifacts

4. Meeting Logs

Team Meeting 9.08
WHEN: Thursday, September 8, 2022, at 12:30 PM
PURPOSE: First team meeting to assign roles and discuss project ideas
ATTENDANCE: (every team member In-person) Sai Mittapalli, Mohamed Aql, Muhammad Momin Rahman, Abdalla Eltom

Mohamed created a GitHub repository and shared the link to it to the rest of the team members so we all can join and start working on the project. We then decided team roles:

ROLES:
Team Administrator: Sai Mittapalli
Team Manager: Abdalla Eltom
Quality Assurance Manager: Muhammad Momin Rahman
Team Coordinator: Mohamed Aql

We started to brainstorm several ideas about what the project should be. We thought about building a game or a school grading application but finally decided on making an organizational calendar.

We then decided that we should use a generalic team name for now because team name is the last priority.

We then assigned each member to finish their member profiles and Sai finished the team member roles and assignments.

We ended the meeting at 2:00 PM.

Team Meeting 9.13
WHEN: Tuesday, September 13, 2022, at 12:30 PM
PURPOSE: Decide language to use, type of application, and sketches
ATTENDANCE: (every team member In-person) Sai Mittapalli, Mohamed Aql, Muhammad Momin Rahman, Abdalla Eltom

We discussed what languages to use to create the Calendar application and decided to use Python and HTML/CSS/JavaScript.

We then searched for resources to start learning all the various features the languages offer and we require.

Momin and Abdalla started back-end pseudocode and figured out the main functions the application will function for this project.

Mohamed and Sai started sketching the authentication page and the main page for the application. And then we carried on coding these pages using HTML and CSS.

We adjusted the project file and made sure the file is uniform. We also made more detailed descriptions of our role responsibilities.

We ended the meeting at 2:00 PM.

Team Meeting 9.17
WHEN: Saturday, September 17, 2022, at 11:00 AM
PURPOSE: Discussed more features to add to the project and finished up Vision Statement
ATTENDANCE: (every team member online) Sai Mittapalli, Mohamed Aql, Muhammad Momin Rahman, Abdalla Eltom

We finalized the features to add to the application and started planning out how to design the web pages for them.

FEATURES:
- 4 Total types of calendars can be added: Social, School, Work, and health
- Each type of calendar will contain a monthly calendar and to-do list
- Main page will have the calendar selection and a combined to-do list
- Login will have a Django Login system
- Can customize calendar types and add tasks easily

We discussed what the vision statement should look like with the Professor, and he explained to us how to go about it.

Momin started working on the Vision Statement and was tasked to complete it by the end of the day.

Upon completion, Sai will submit the assignment along with all the previous content, which are revised a bit.

We ended the meeting at 12:30 PM.

Team Meeting 9.27
WHEN: Tuesday, September 27, 2022, at 12:30 PM
PURPOSE: Started working on Requirements portion of the project
ATTENDANCE: (every team member In-person) Sai Mittapalli, Mohamed Aql, Muhammad Momin Rahman, Abdalla Eltom

We started to figure out what the functional and non-functional requirements for our project are and started listing them.

We drew an UML use case diagram on the white board with all our important features and use cases.

Upon finishing the hand drawn UML use case diagram, Mohamed was tasked to construct the UML class diagram using UML and send it to Sai, so he can confirm everything is correct and add anything that is needed.

Momim then wrote out the functional and nonfunctional requirements along with the constraints in the document.

We ended our meeting at 1:30 PM.

Team Meeting 10.6
WHEN: Thursday, October 6, 2022, at 12:30 PM
PURPOSE: Started the second iteration of the Requirements portion of the project
ATTENDANCE: (every team member In-person) Sai Mittapalli, Mohamed Aql, Muhammad Momin Rahman, Abdalla Eltom

We discussed what new things to add to the first iteration of the Requirements portion of the project and listed them out.

We then viewed the HTML pages Mohamed created for the homepage and the login page, and Sai was tasked to figure out how to implement the Django Login System.

Sai was tasked to add the new things that were discussed for the Requirements to the document.
We ended our meeting at 1:15 PM.

Team Meeting 10.20
WHEN: Thursday, October 20, 2022, at 12:30 PM
PURPOSE: Started working on first iteration of Software Architecture portion
ATTENDANCE: (every team member In-person) Sai Mittapalli, Mohamed Aql, Muhammad Momin Rahman, Abdalla Eltom

We started by discussing what all things need to be drawn out and made for this portion of the document. We first discussed what all need to be added to the sequence and class diagrams.

Momin and Mohamed started drawing out the sequence and class diagrams on paper and Sai helped to add and remove some aspects that weren't needed.

Sai then started and was tasked to finish creating the sequence and class diagrams using UML and these were used to explain the purpose of each section of the diagrams.

Finally, Sai added these diagrams to the document and added all the necessary details to explain each aspect of the diagrams.

We ended our meeting at 2:00 PM.

Team Meeting 10.25
WHEN: Tuesday, October 25, 2022, at 1:45 PM
PURPOSE: Discussed issues with project so far and planned on taking necessary steps
ATTENDANCE: (every team member In-person) Sai Mittapalli, Mohamed Aql, Muhammad Momin Rahman, Abdalla Eltom

After having several email exchanges with us and the Professor, Sai went and met the Professor to discuss what changes need to be made to the diagram. Since our diagram was missing a lot of stuff that were required, we decided to rework them this week and add all the things that were missing.

We went to class at 2:30 PM and met again after class at 3:45 PM.

We started off with reworking the meeting logs and making them more detailed and descriptive. Then we started working on the Requirements portion of the document by explaining all the major functional requirements in detail. Then we revised the Vision Statement and made it more similar to the template.

Sai was tasked to revise all of these things and make any changes that are required to make and resubmit the document in a PDF format instead of sharing the link of the document.

We ended our meeting at 5:00 PM.

Team Meeting 10.27
WHEN: Thursday, October 27, 2022, at 12:15 PM
PURPOSE: Started working on the second iteration of the Software Architecture
ATTENDANCE: (every team member In-person) Sai Mittapalli, Mohamed Aql, Muhammad Momin Rahman, Abdalla Eltom

We started by figuring out what new things we need to add to the first iteration of the Software Architecture portion of the project. We discussed and decided that we need to make the sequence diagram descriptions more detailed.

We started adding more stuff and reworking the sequence diagram descriptions. We decided that we had all the important information already covered for the class diagram and didn't work much on that part.

We tasked Sai to finish up the final details for the sequence diagram.

We ended the meeting at 1:15 PM.

Team Meeting 11.5
WHEN: Saturday, November 5, 2022, at 3:00 PM
PURPOSE: Started working on the Implementation plan document
ATTENDANCE: (every team member online) Sai Mittapalli, Mohamed Aql, Muhammad Momin Rahman, Abdalla Eltom

We started by trying to figure out what a Gantt's Diagram is by looking up examples and asking one of the TAs for an example.

Momin, Mohamed, and Abdalla started working on the other parts of the Iteration plan and wrote out the information needed for each section of the document. Sai started working on the Gantt's Diagram using instructions on how to create one on Excel.

Upon finishing writing the information needed out, Mohamed started working on the UI pages for a different section of the system and Sai, Momin, and Abdalla worked on helping him and figuring out backend code.

Sai then formatted all the information that was written down into the Iteration Plan UPEDU template and was tasked to submit it.

We ended the meeting at 5:15 PM.

Team Meeting 11.10
WHEN: Thursday, November 10, 2022, at 1:30 PM
PURPOSE: Discussed with Professor and TA about issues with Project Documents and planned to fix and improve
ATTENDANCE: (every team member In-person) Sai Mittapalli, Mohamed Aql, Muhammad Momin Rahman, Abdalla Eltom

After meeting with the Professor and discussing with him about what needed to be fixed with the documents, we started splitting up the tasks to improve the format of the documents. Mohamed and Abdalla were tasked with formatting the Software Requirement Specifications and Momin was tasked with formatting the Supplementary Specifications. Sai was tasked with updating and formatting the other documents.

We also thought of names for the system and had several ideas like ThymLine, iRemind, and 356 Remind. But we settled on TimeDrop since it is a short and quick name and easy to remember.

After finishing most of the assigned tasks, we decided to finish the rest later in the evening and Sai was tasked to compile all the documents and have it ready to submit.

We ended the meeting at 2:30 PM.

WHEN: Wednesday, November 16, 2022, at 9:00 AM
PURPOSE: Discussed what needs to be done to properly implement the project
ATTENDANCE: (every team member online) Sai Mittapalli, Mohamed Aql, Muhammad Momin Rahman, Abdalla Eltom

We started by figured out what all we have left to implement and how to test the project once we implement the necessary functions. Sai and Abdalla decided to use a virtual environment to test the website application because it would be simpler to go between the code, database, and website view.

Upon figuring that out, Sai then came up with a new theme for the templates for the project to make it simpler and more modern. And also decided to cut down some elements to make the project more efficient.

Finally, everyone was tasked with things to finish by the next meeting:
- Sai: work on both front-end and back-end
- Abdalla: work on back-end functionality
- Muhammad: work on front-end betterment
- Momin: work on front-end betterment

We ended the meeting at 10:30 PM.

WHEN: Wednesday, November 26, 2022, at 4:00 PM
PURPOSE: Discussed what needs to be done to properly implement the project
ATTENDANCE: (every team member online) Sai Mittapalli, Mohamed Aql, Muhammad Momin Rahman, Abdalla Eltom

We started by discussing what we have done for the project over the past week and figured out what we had left to implement and/or test.

Then we moved on to talk about different template theme update ideas that Momin and Muhammad suggested and tested.

Sai and Abdalla discussed what needs to be done for the back-end and what work needs to be done to have user specific databases to store one user's own tasks.

We ended the meeting at 5:00 PM.