
Software Requirements Specification

for

DataMea

Version 0.01

**Prepared by Mike Carroll, Tyler Dominick,
Ethan Osborne, and Dylan Rizzo**

September 2018

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2. Revision History

Sign-Off Name	Sign-Off Date	Version
Dylan Rizzo	Sept. 4, 2018	0.01
Dylan Rizzo	Sept. 17, 2018	0.02

3. Overview

3.1. Scope

DataMea is an application that its users can analyze some general statistics of their IMAP email.

3.2. Participants

At this given time, the Software Design project team consists of the following ten individuals:

Ray Breton, Mike Carroll, Tyler Dominick, Cedric Hansen, Gaoping Lin, Douglas Myrdek, Ethan Osborne, Sylvia Pericles, Dylan Rizzo, and Andy Vadnais.

Each member is involved with their respects departments as follows:

Database/Networking	Engine	GUI
Breton, Raynier	Dominick, Tyler	Breton, Raynier
Carroll, Michael	Hansen, Cedric	Myrdek, Douglas
Dominick, Tyler	Lin, Gaoping	Rizzo, Dylan
Hansen, Cedric	Myrdek, Douglas	Vadnais, Andrew
Lin, Gaoping	Rizzo, Dylan	
Myrdek, Douglas	Vadnais, Andrew	
Osborne, Ethan		
Pericles, Sylvia		
Rizzo, Dylan		
Vadnais, Andrew		
Quality Assurance	Requirements	Usability
Hansen, Cedric	Carroll, Michael	Breton, Raynier
Lin, Gaoping	Dominick, Tyler	Carroll, Michael
Myrdek, Douglas	Osborne, Ethan	Osborne, Ethan
Pericles, Sylvia	Rizzo, Dylan	Pericles, Sylvia
Vadnais, Andrew		

3.3. Document Conventions

This document was created based on the IEEE Recommended Practice for Software Requirements Specifications template. This particular copy is intended as a rough draft of the Software Designs finished product Requirements document.

4. References

- IEEE. (1998). *IEEE Recommended Practice for Software Requirements Specifications*. New York, NY: Author.
- Varvoutas, K. (2017). *Software Requirements Specification for Gephi*. Aristotle University of Thessaloniki, Thessaloniki, Serres, Greece: Gephi.org

5. Definitions

DataMea: an application in which can be installed compatible computers to then analyze a user's emails from an IMAP server.

Email Client: also known as mail user agent (MUA), is a computer program designed to read, write, and edit a user's email.

GUI: an acronym for Graphical User Interfaces, which is a designed display whose function is to display and intake information for a user aesthetically as possible.

IEEE: Institute of Electrical and Electronics Engineers, the world's largest organization made up of technical professionals that set global standards for electronics and advanced technologies.

IMAP: Internet Message Access Protocol, is a type of protocol used by certain email clients to fetch a user's emails from its server.

6. Overall Description

6.1. Product Perspective

This project was developed for SUNY Oswego's Software Design class. Specifically, it is designed for anyone who has an interest in generic statistics of their IMAP emails. DataMea analyzes the user's IMAP email to then output the information on an easy-to-read dashboard with graphs and lists.

6.2. Product Functions

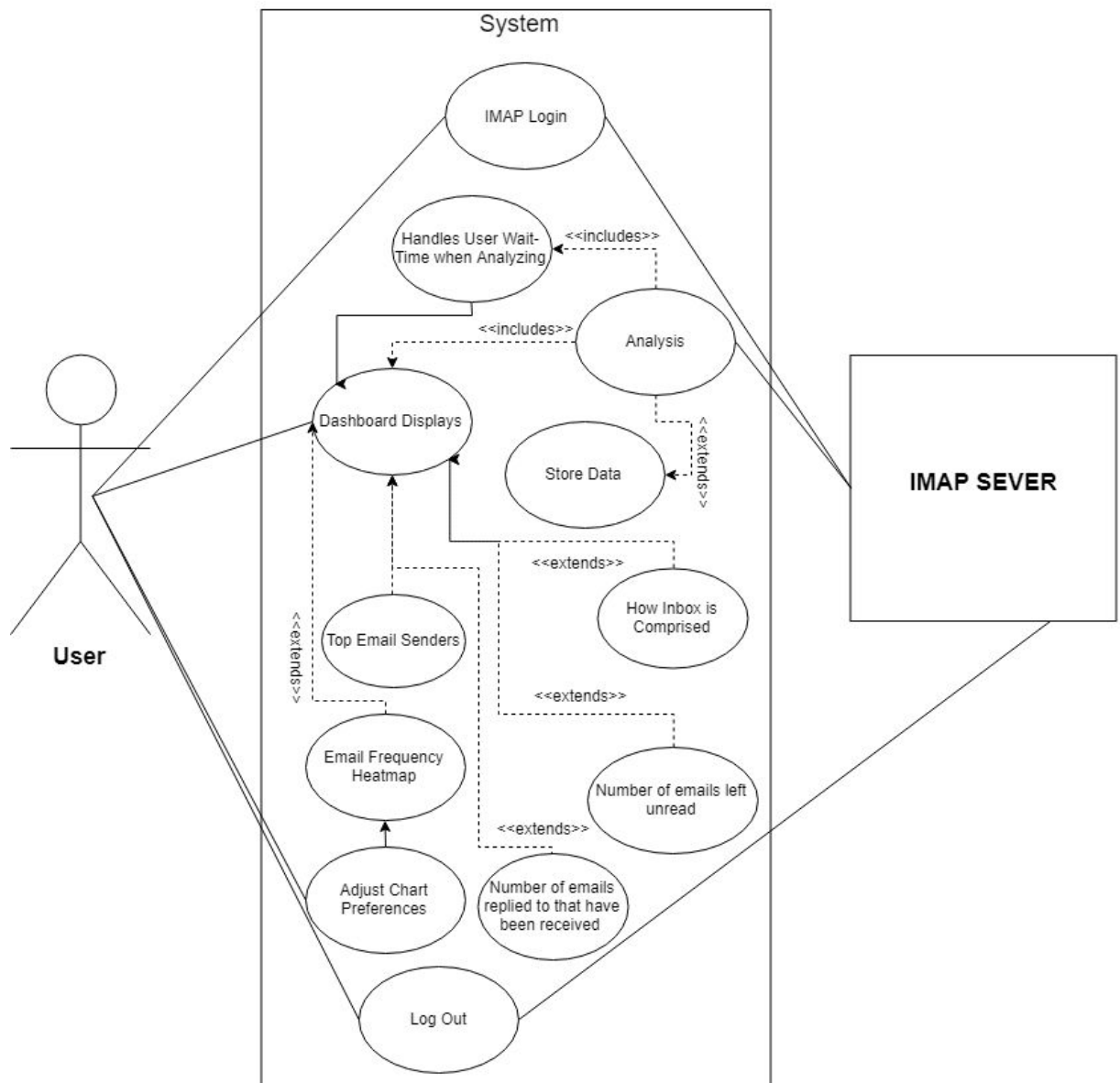
Analyze Email: the action of signing in to one's email via DataMea to then have the application analyze the IMAP data which will display on the product's dashboard automatically.

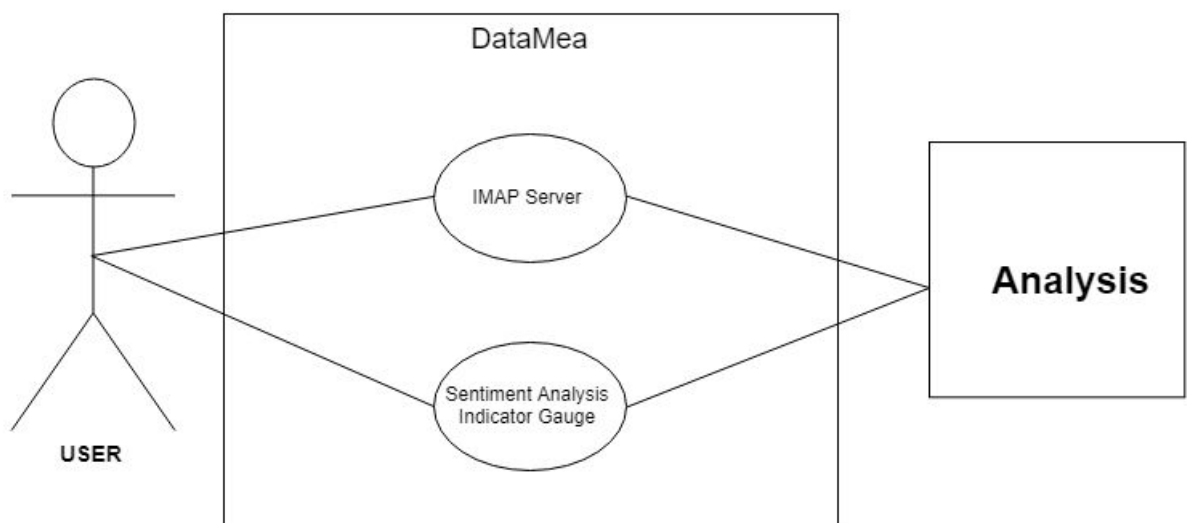
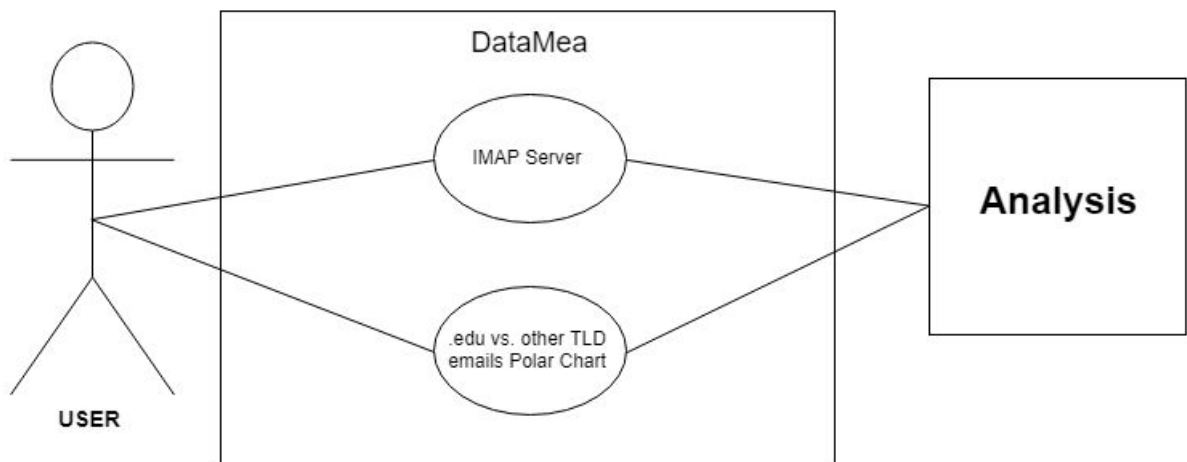
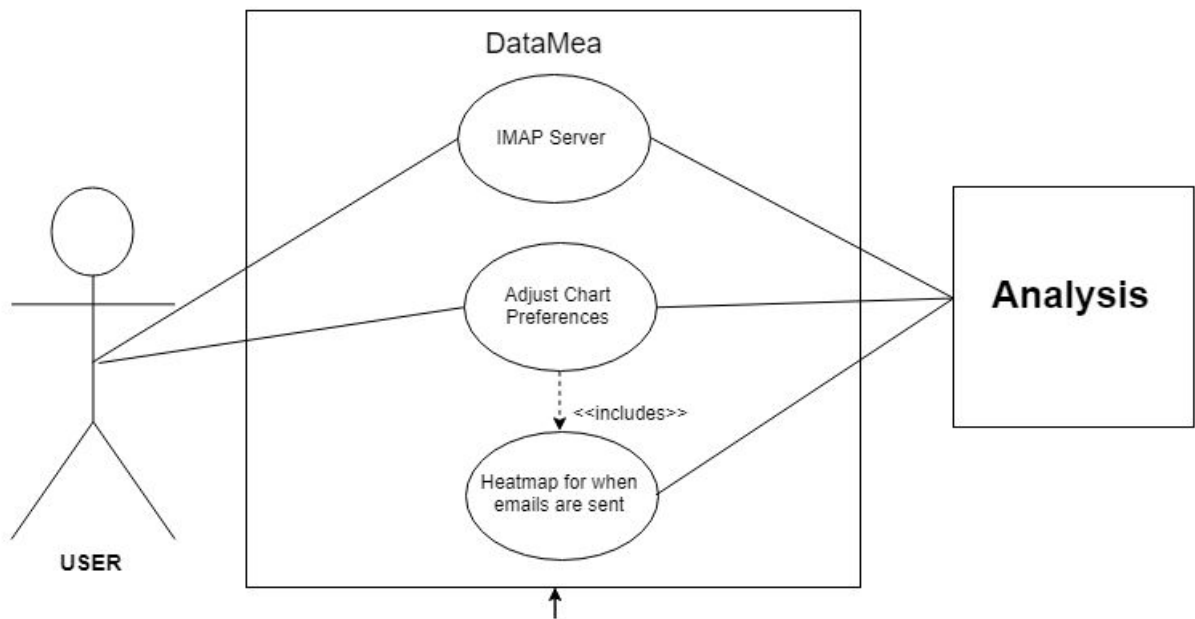
Exit: the action in which the application closes out of itself safely and ceases running on the user's device.

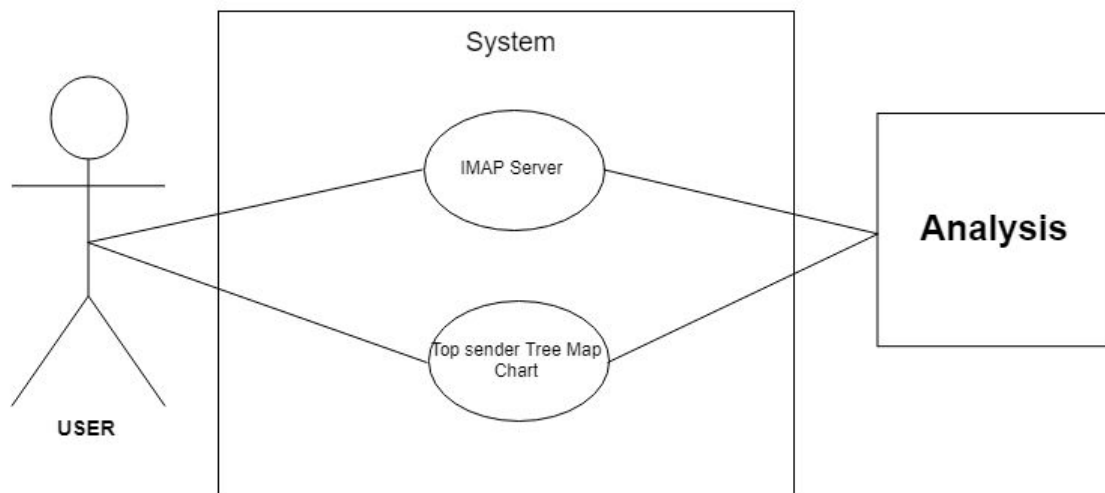
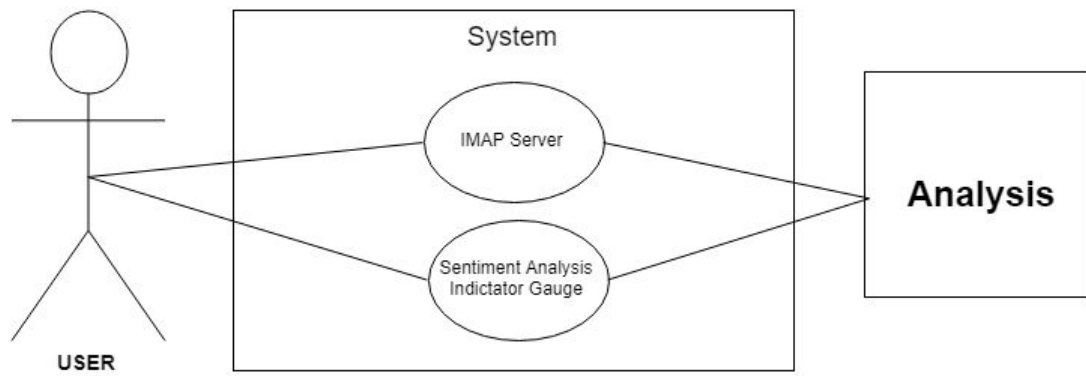
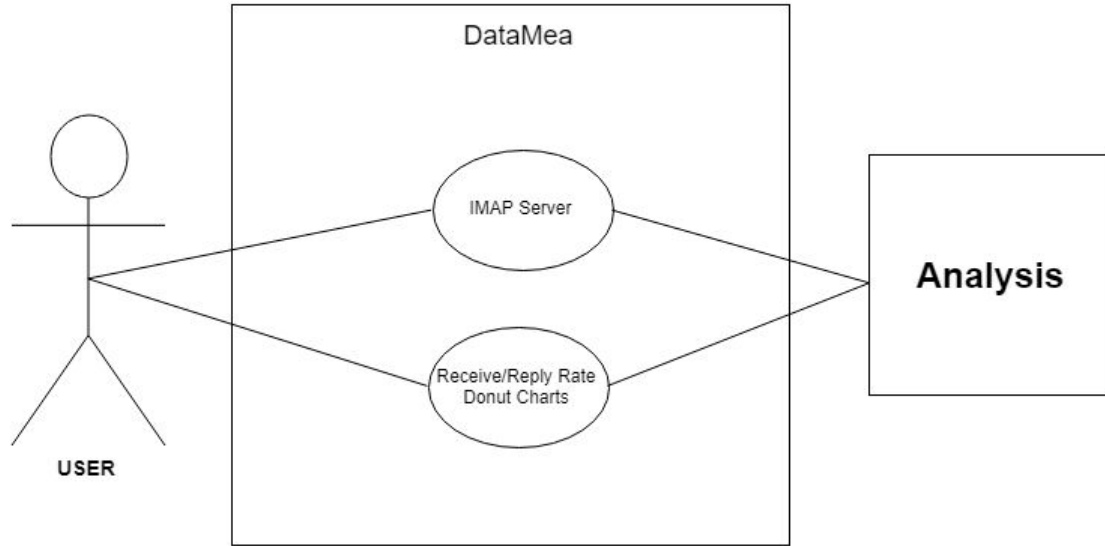
Store Data: <something>

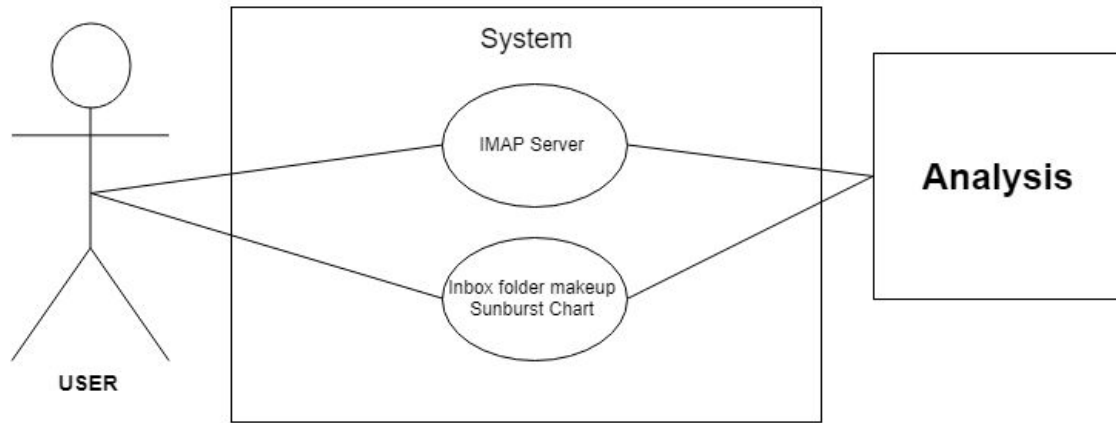
Process Request Waiting Screen: <something>

6.3. Use Cases

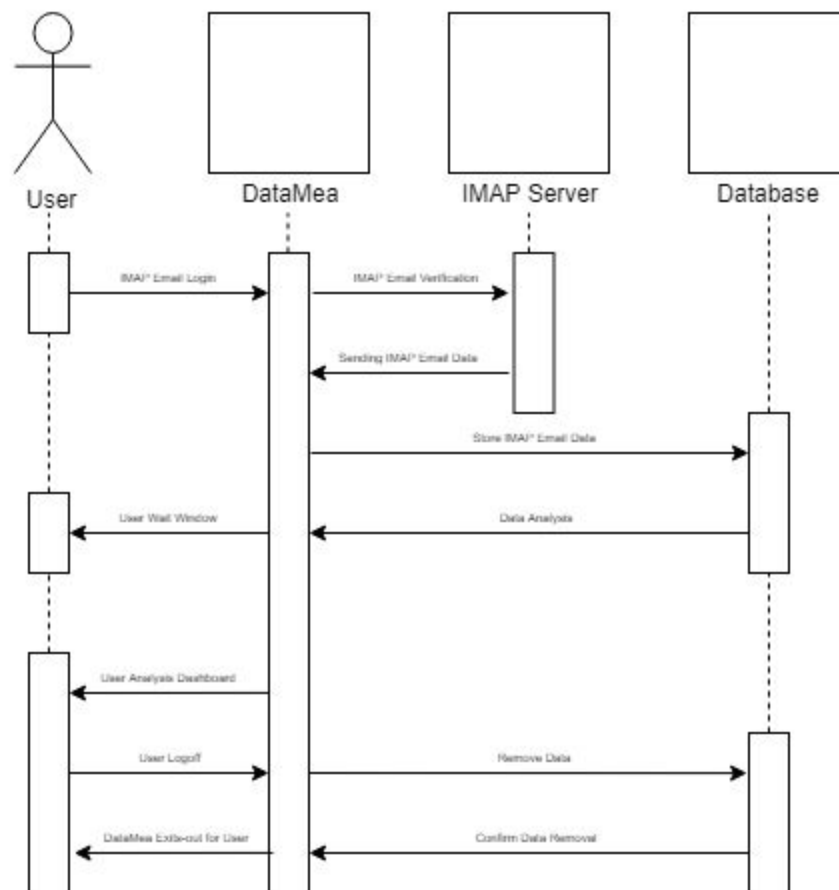


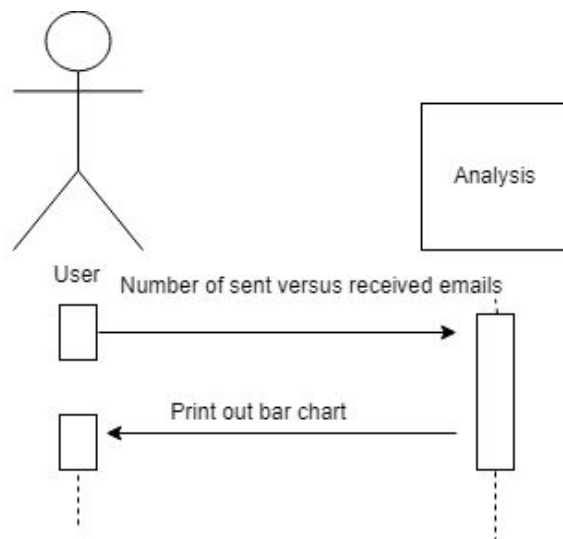
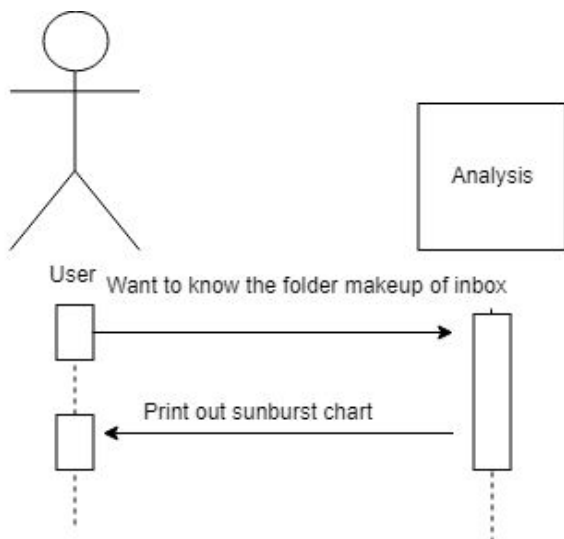
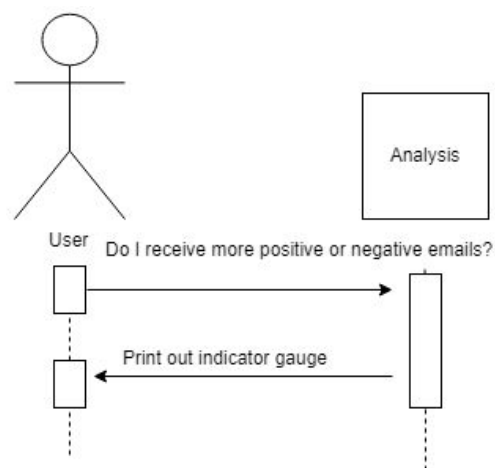
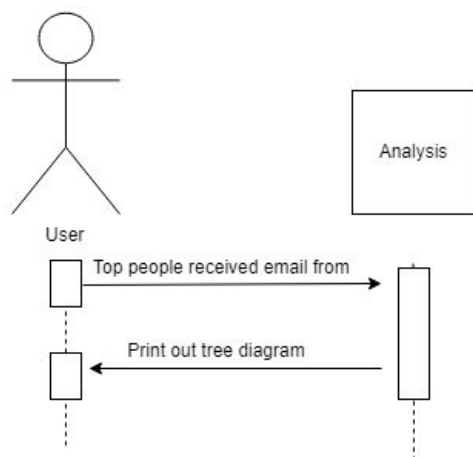
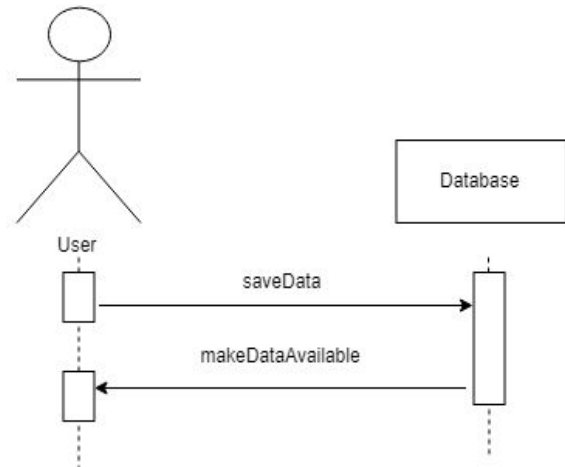
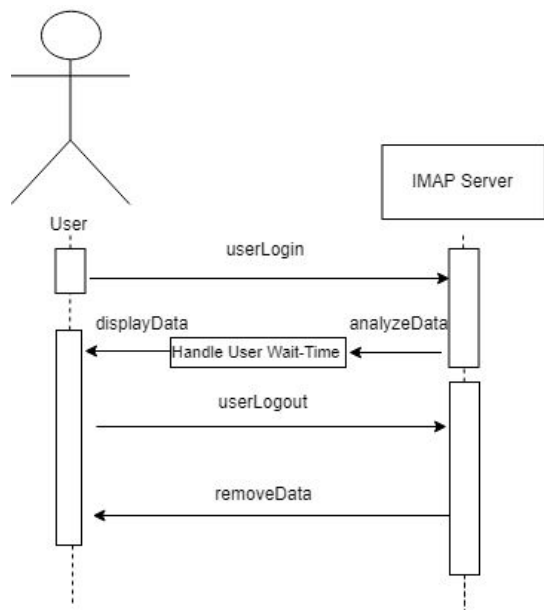


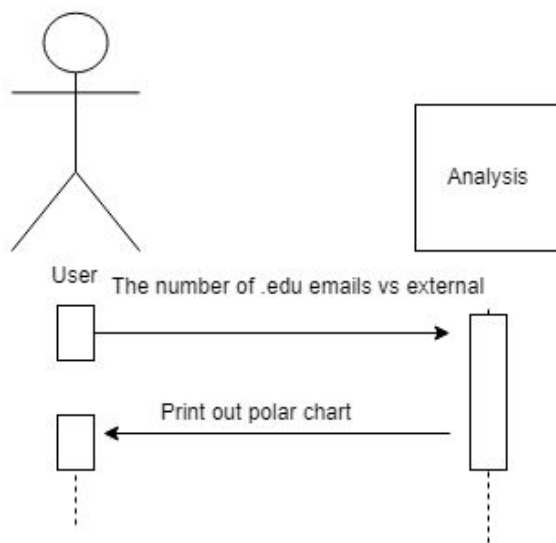
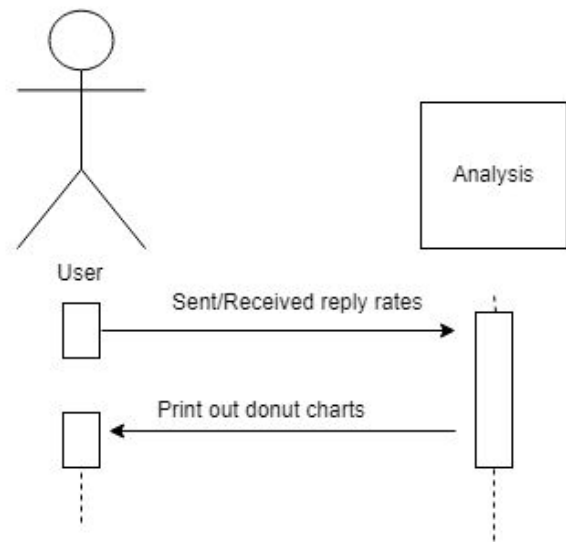
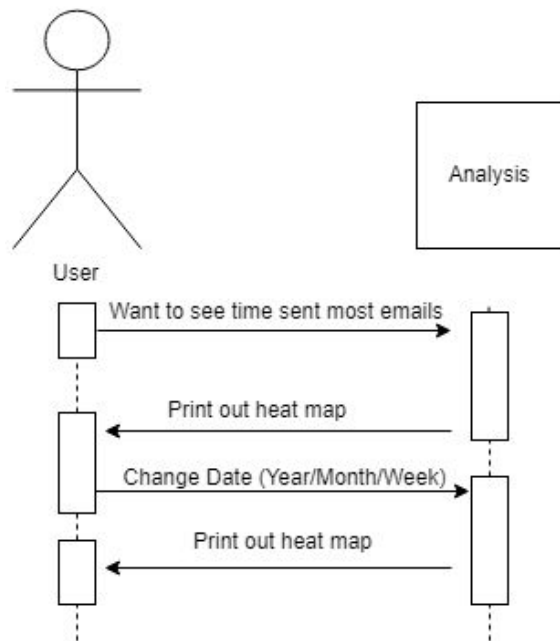




6.4. Sequence Diagrams







6.5. Operating Environment

DataMea is a desktop application that can be installed on Mac (<specify versions>), Windows (<specify versions>), and Linux (<specify versions>). The application will only analyze those email account that utilize Internet Message Access Protocol (IMAP).