Mail Database Project

Christian Johnson & Dan Nusraty & Dylan McGill
Optimail

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Preface

Tasks to complete assignment:

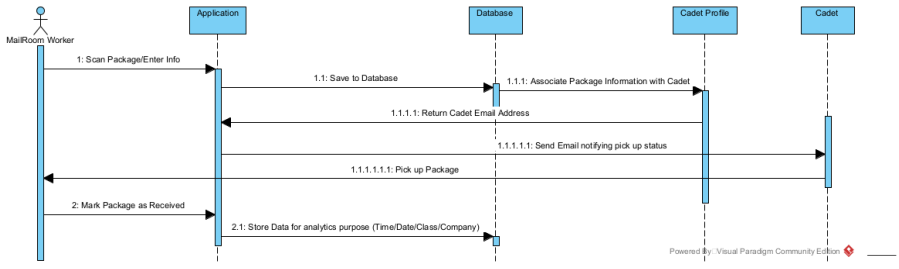
- Refine application for use
- Analytics Tracking
- Reports and Settings Completion
- Specific classifications/tags for individual packages
- Secure authorization system for users
- Logout feature

Lessons learned and changes from feedback:

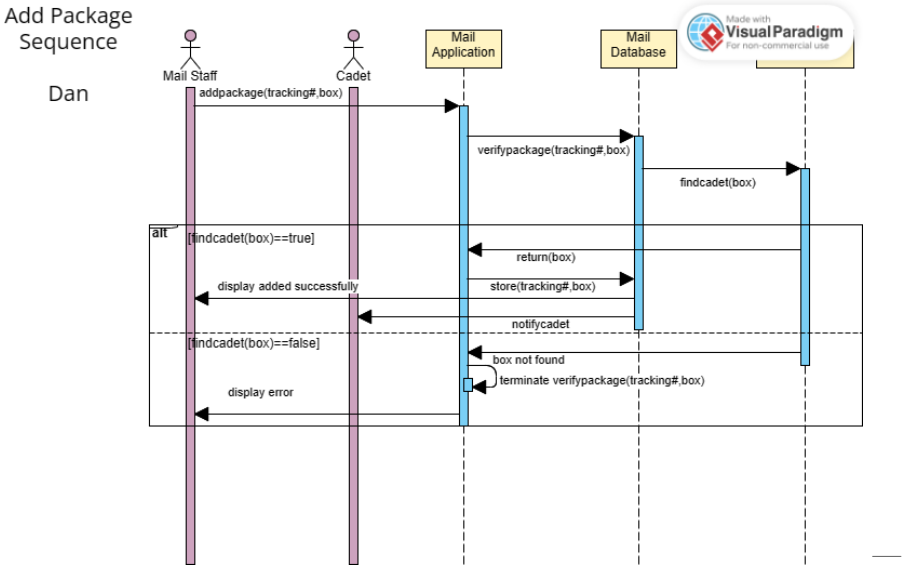
- Team should focus more on step-by-step procedures, in order to stay organized.
- Recquire "Admin" or some higher authority credentials to manually add/edit packages within a "database interface"
- Scanning capability
- If package is not picked up within 30 days, archive
- If archived for 6 months, delete from database

Sequence Diagrams

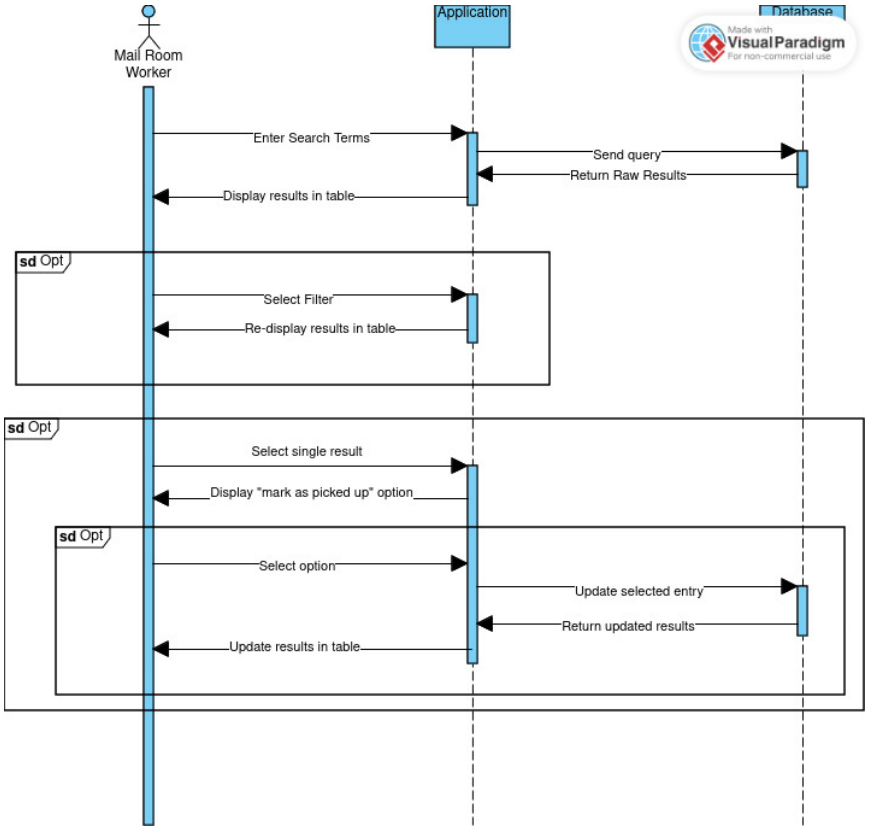
Dylan - "Adding and Retrieving a Package"



Dan - "Add Package"

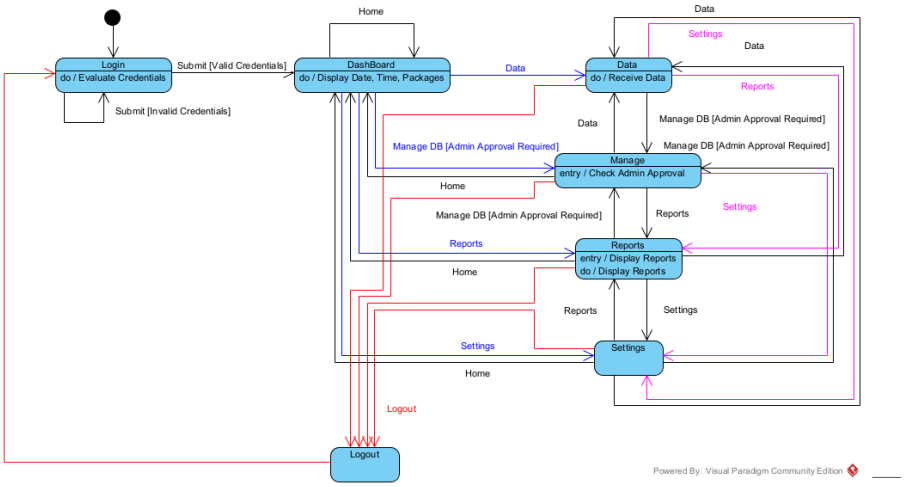


Christian - "Search Packages"

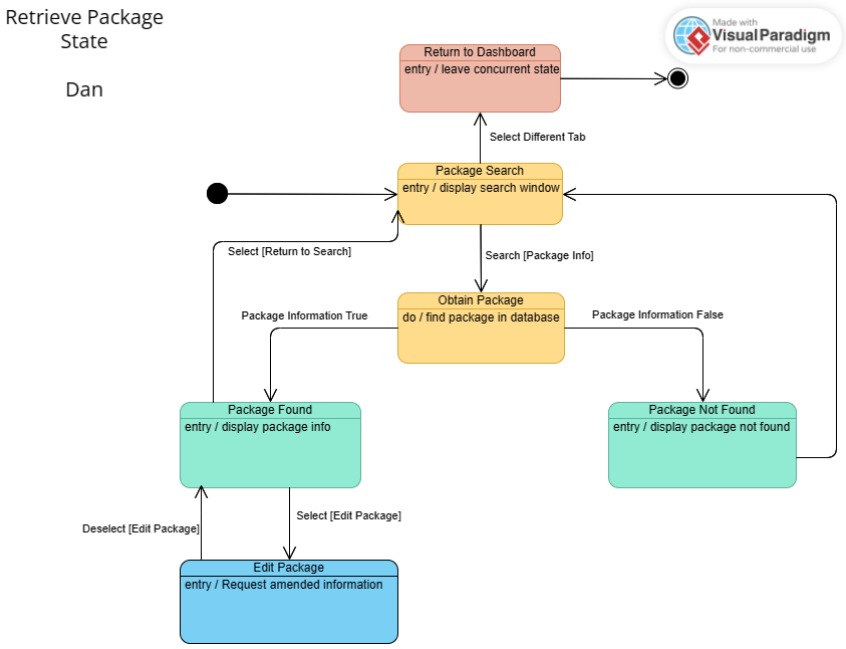

Mail Room Worker
Application
Database
Made with VisualParadigm For non-commercial use
Enter Search Terms
Send query
Return Raw Results
Display results in table
sd Opt
Select Filter
Re-display results in table
sd Opt
Select single result
Display "mark as picked up" option
sd Opt
Select option
Update selected entry
Return updated results
Update results in table

State Diagrams

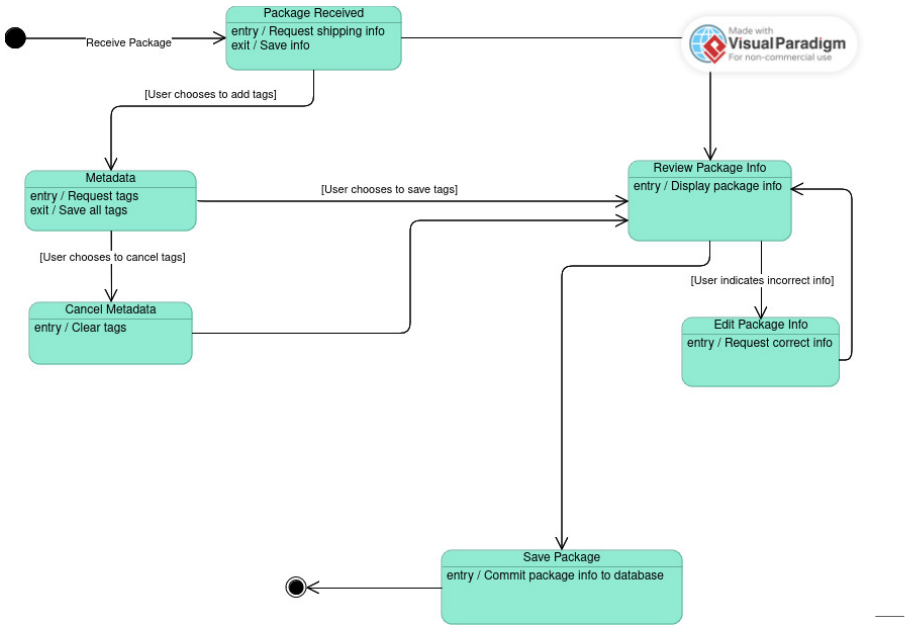
Dylan - "GUI Navigation"



Dan - "Retrieve Package"



Christian - "Add Package"



Github Repository

A Github Repository has been created. Groupmembers and Instructor were added as collaborators.

Group Meeting Summaries

3/6/2024:

- Reviewed current functionality
- Reviewed Github functionality
- Familiarized with Github and Git interfaces
- Planned for presentation

3/8/2024:

- Planned work assignments
- Divided work over break

3/19/2024:

- Discussed work done over break
- Put together Project Part 4 report

Activities Reviewed:

- Reports tab
- Settings tab
- Scanner functionality
- Cadet info/provacy considerations
- Need to implement logout feature

Major decisions:

- Require admin approval for manage DB option
- Track company, class, date/time of package pickup (already implemented, need to include in reports)
- Settings: light/dark mode, ui preferences