

LOW-LEVEL DESIGNS DOCUMENT

Hubba - Usage Analysis Dashboard

Version 1.2

Prepared By: Development Hell

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Github Repository:

<https://github.com/DevelopmentHellaHell/SeniorProject>

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Revision History

Version	Overview	Date
v.1.0	Initial HLD and LLD	1/29/2023
v.1.1	Cleanup and Revisions of Designs	2/2/2023
v.1.2	Refactor and Finalize Design	2/6/2023

High-Level Design

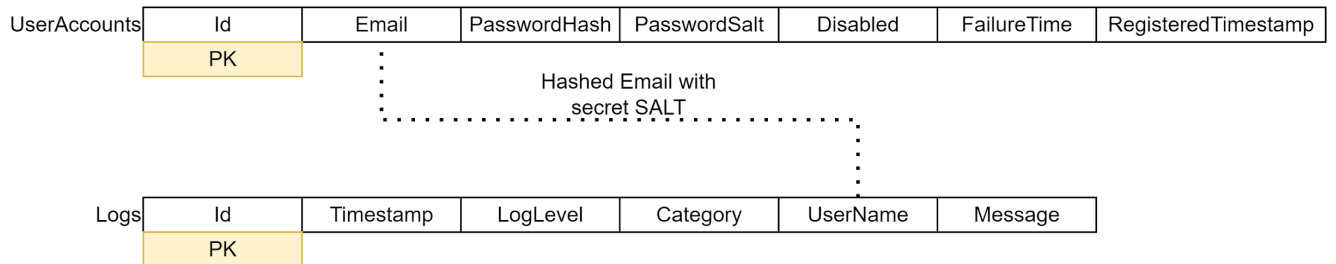
1. Activity flow - Client request to View Dashboard:



2. Activity flow - System Response:



Relational Tables



Low-Level Design

User story: As a user, I can access the user analysis dashboard within my authorized permission context.

Preconditions:

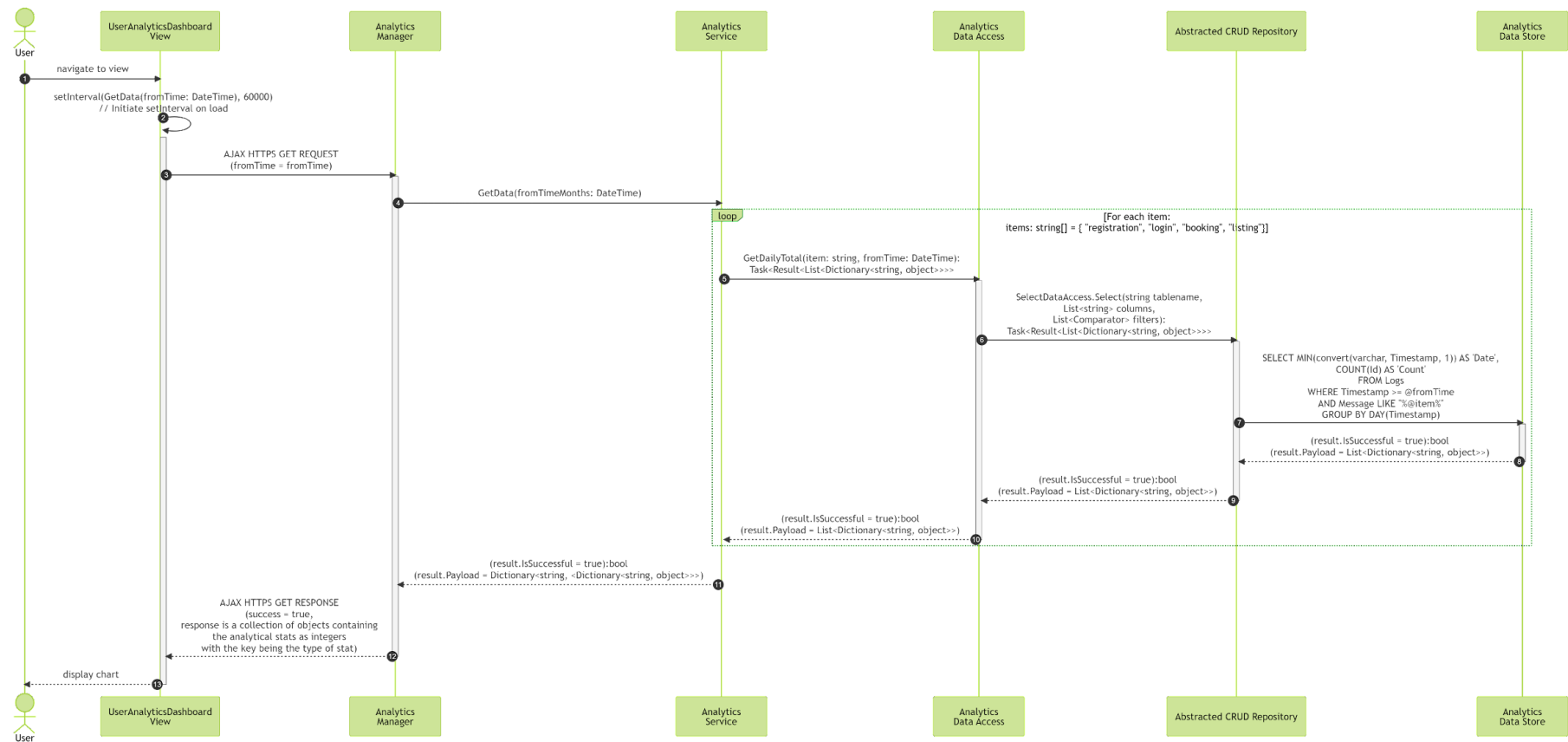
1. User must have an active authenticated session.
2. User's account must be enabled

Business Rules:

- Admin Accounts have exclusive access to Usage Analysis Dashboard
 - User Analysis Dashboard contains all relevant data retrieved from database
 - Key Performance Indicators (KPIs) will be displayed automatically on dashboard
 - i. KPIs include:
 - Number of logins (latest 3 months)
 - Number of registrations (latest 3 months)
 - Number of bookings (latest 3 months)
 - Number of new listings (latest 3 months)
 - ii. KPIs must automatically refresh every 60 seconds

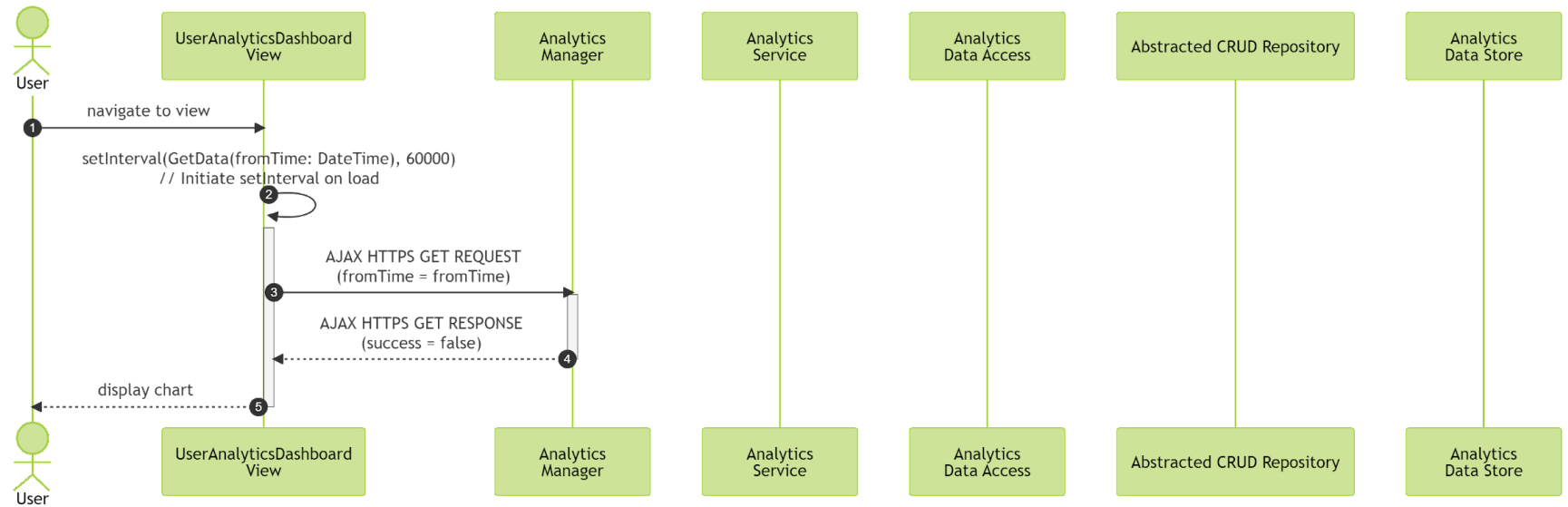
Successful Use Case(s)

User is able to navigate to the view which automatically refreshes in an interval of 60 seconds. The view should be fully loaded within 15 seconds.

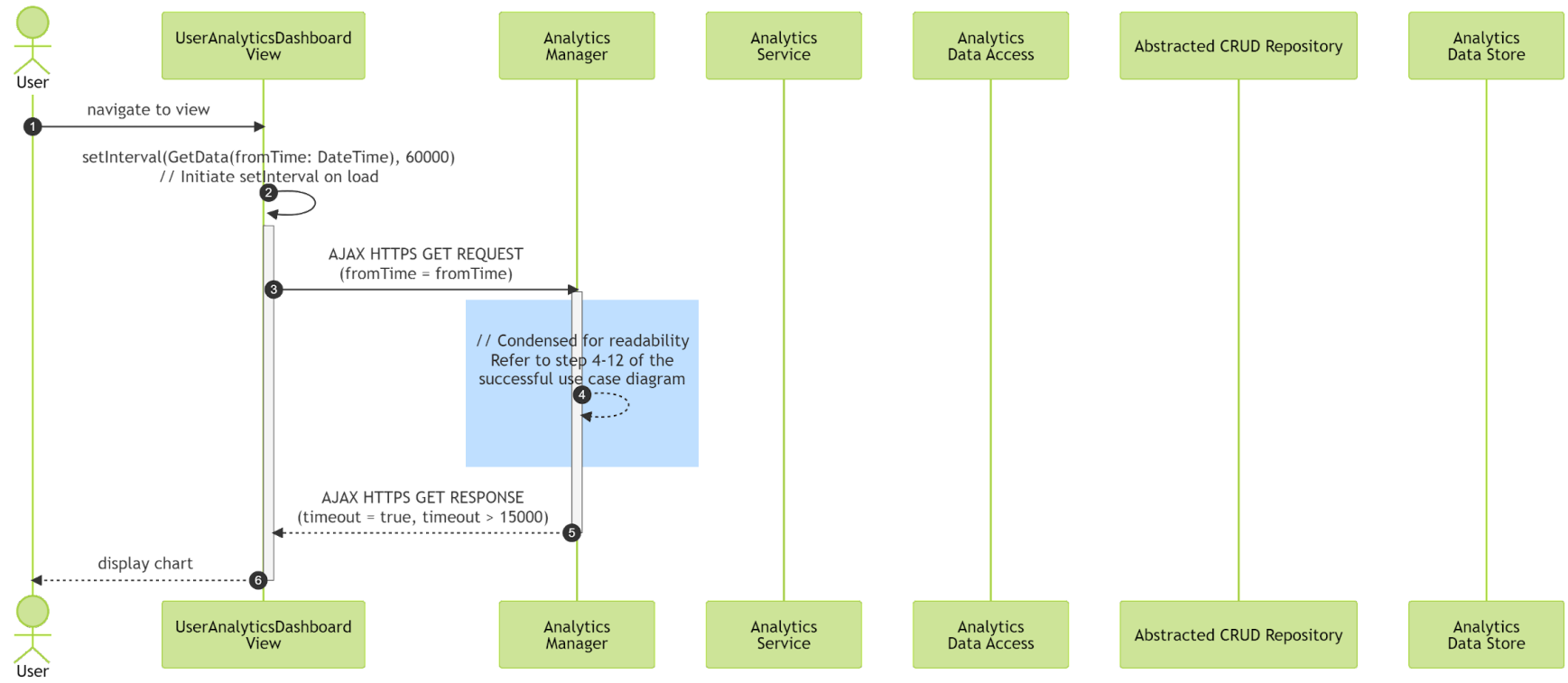


Failure Use Case(s)

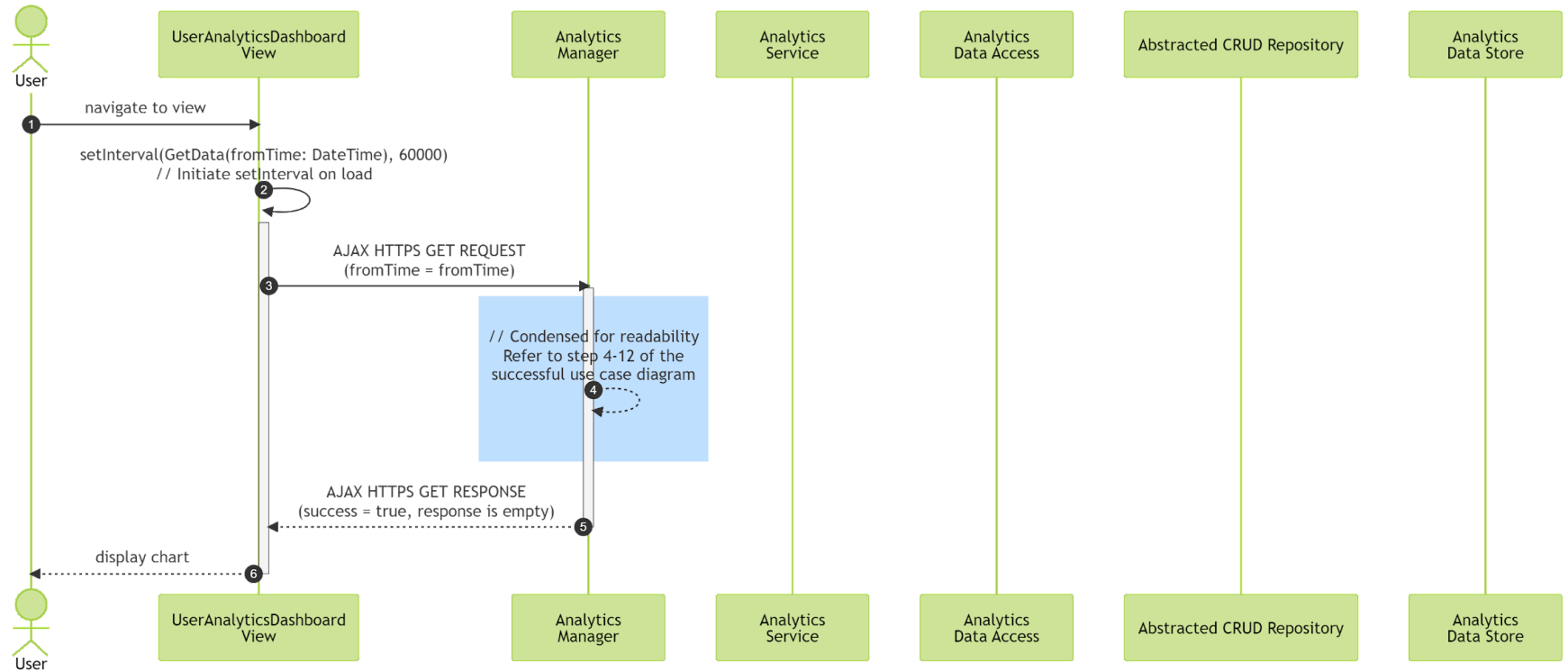
Administrative users cannot access the Usage Analysis Dashboard page.



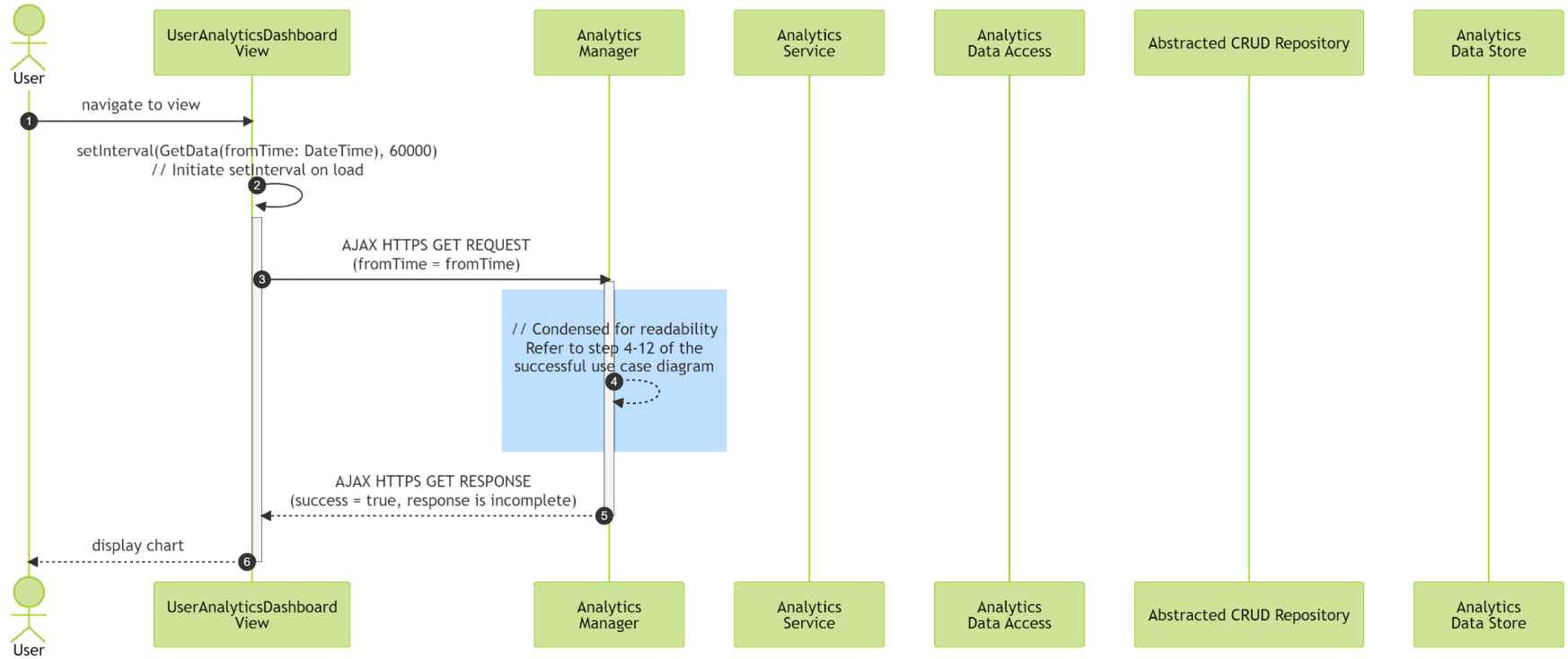
User navigates to the page successfully however, view does not load within 15 seconds upon request.



User navigates to the page successfully and page loads within 15 seconds however, no KPI data is refreshed.



User navigates to the page successfully and page loads within 15 seconds however, not all of the KPI data is refreshed.



User navigates to the page successfully and page loads within 15 seconds however, all KPI data is refreshed over 60 seconds.

