
Software Design Document

for

Insurance Workflow Automation Software, Release 1.0

Version 1.0

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Benchmen

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Revision History

Name	Date	Reason For Changes	Version
Benchmen	27-10-2023	Initial draft	1.0
Benchmen	20-11-2023	Design Changes v1.1	1.1

1. System Components

1.1 Decomposition Description

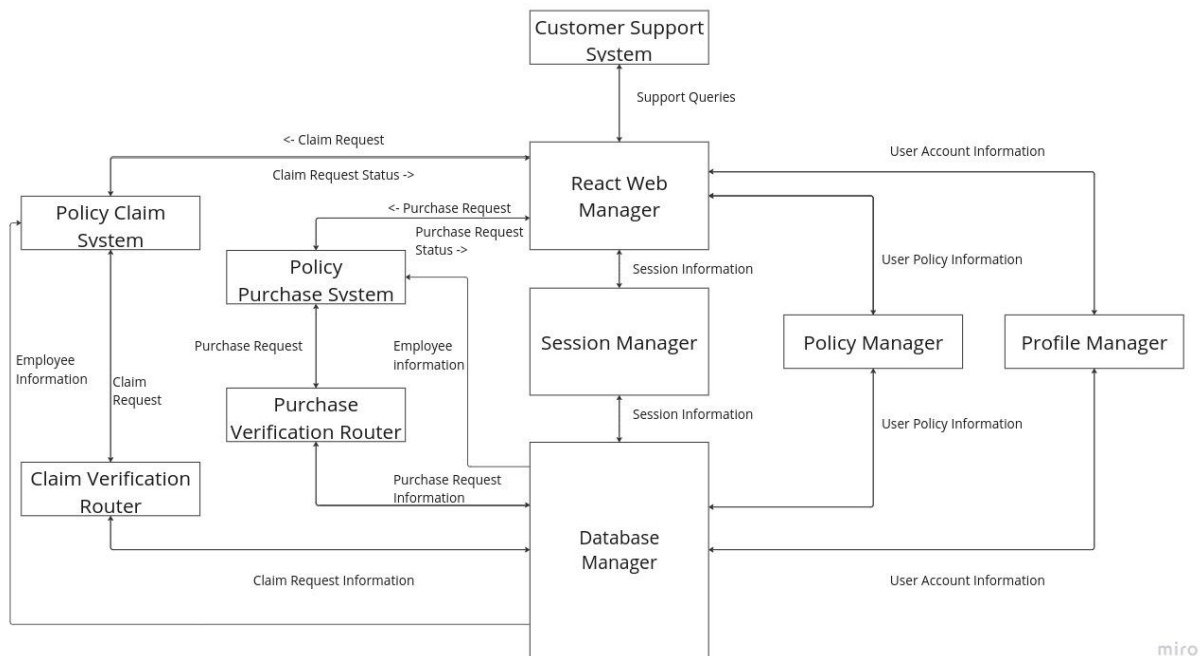
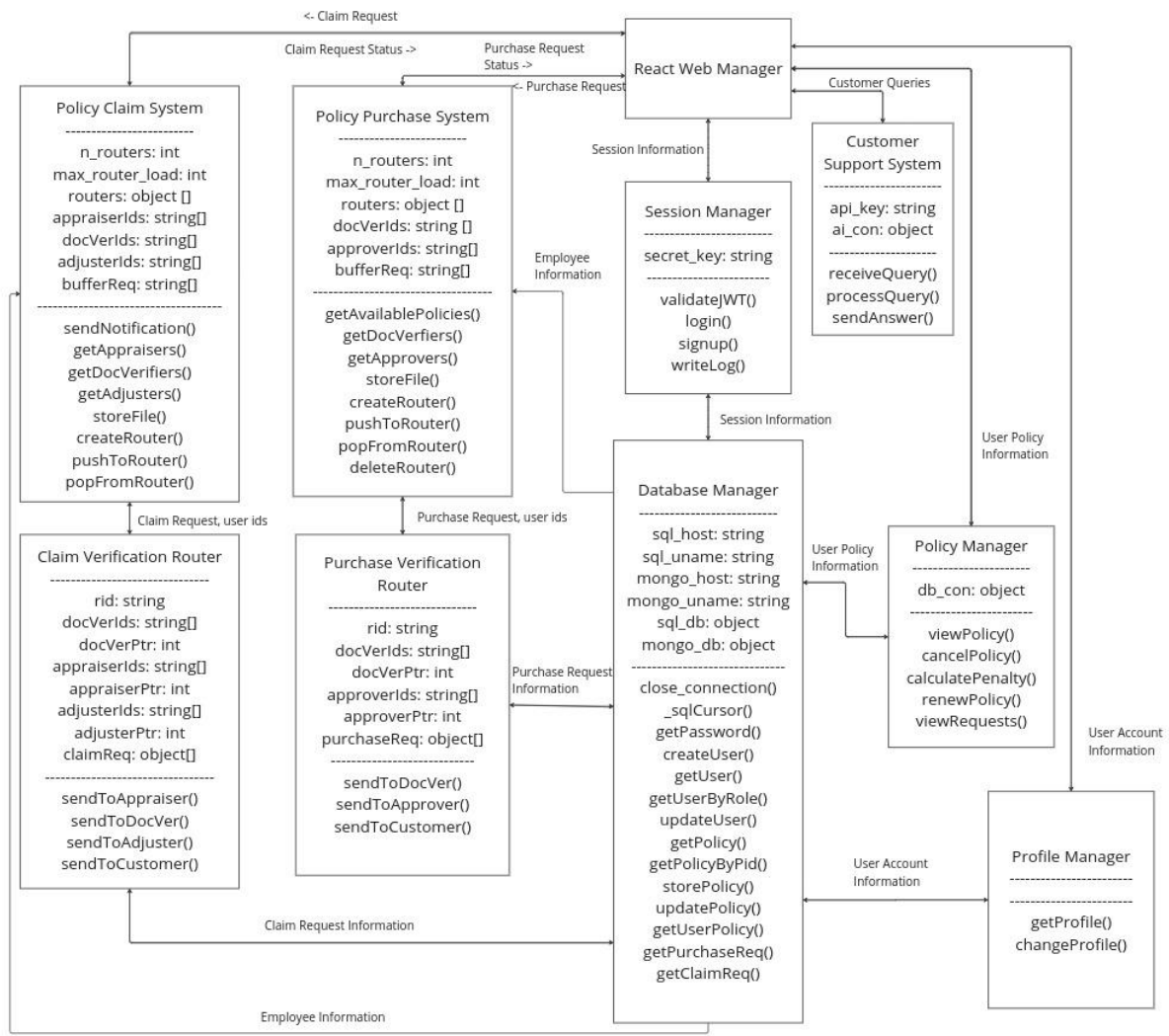


FIG 1.1: The above figure shows a description of the general interaction between various components in this project. The database manager interacts with the SQL and NoSQL databases and abstracts out queries to just return the required info to other components. The policy manager handles requests regarding policies owned by users, given the user's unique ID. The profile manager helps us view and modify user profiles. The session manager is for authentication. The purchase verification router is for routing to document verifier and purchase approver. The policy purchase system is to implement purchase of policies and related activities. The claim verification router routes to the document verifier, insurance appraiser and claim adjuster. The policy claim system enables users to claim for damages (in vehicle insurance) or medical bills (in health insurance).

1.2 Dependency Description



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FIG 1.2: This figure shows how each module is dependent on another for its functionality. A customer interacts with the session manager to carry out the authentication required for login. The session manager in turn uses the database manager to query the databases and verify if the information furnished by the customer is correct. Once the customer gains access, he places a purchase request using the policy purchase system. The policy purchase system passes the user ID and purchase request to the purchase verification router, which in turn uses the database manager to query the database and retrieve the purchase request information. The information is passed on to the policy manager.

A similar workflow is carried out for a claim request. Instead of the policy purchase system, the claim request goes to the policy claim system, which sends it to the claim verification router. From here, the workflow is the same as in a policy purchase.