

BRANDIX MARKETHUB

Technical Specification

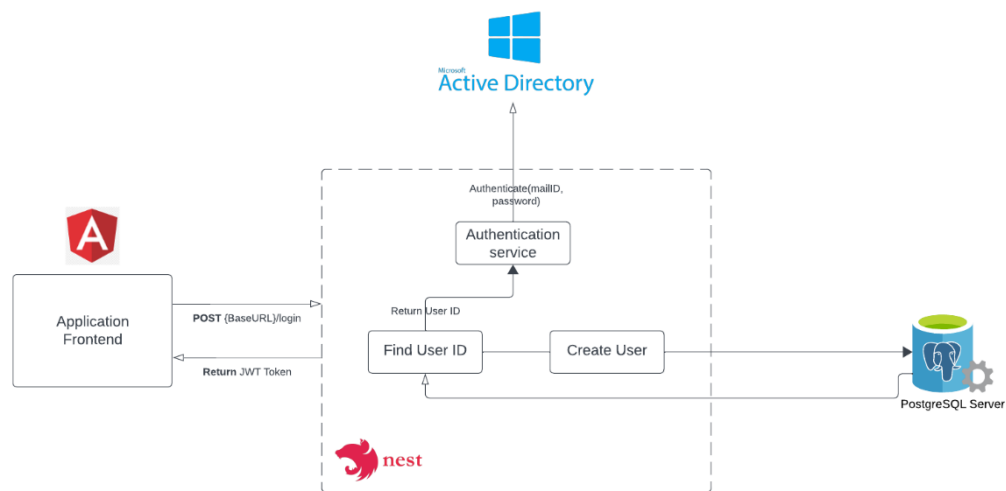
Created by: Lojan Jayakumar

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Introduction

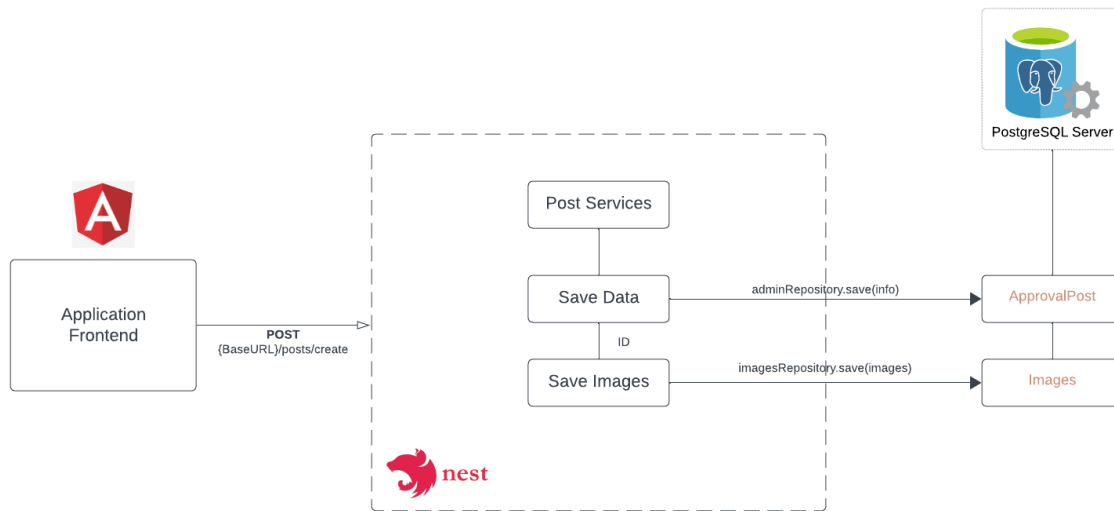
Markethub, a Brandix exclusive ecommerce platform for common users to trade. The requirements were passed by the Brandix HR team. The users have the accessibility to trade products and services which are bounded to the code of conduct; thus, the posts would be verified under the observation of admin inspection.

User Authentication



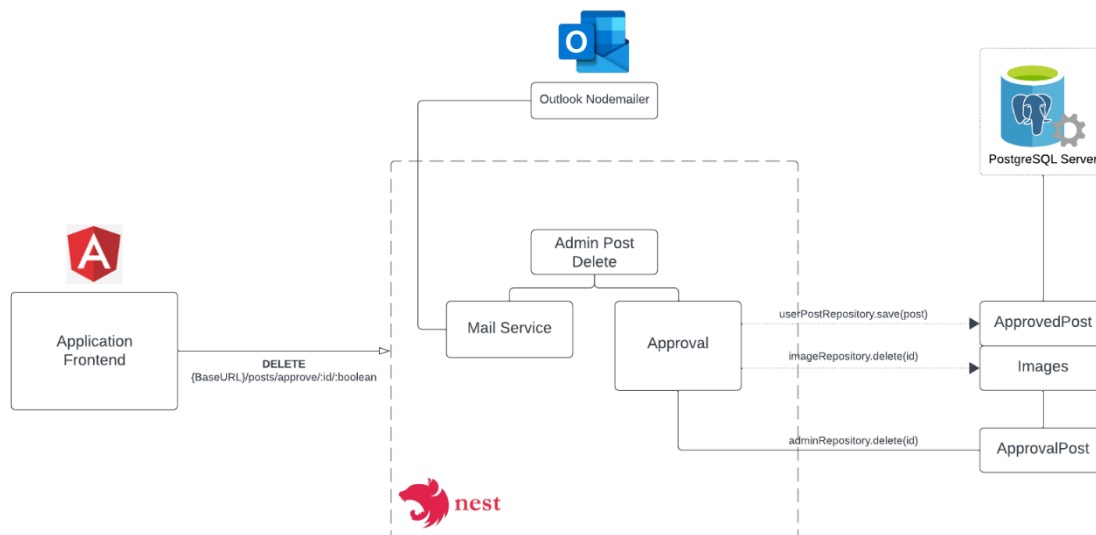
The user verification mechanism is handled through Microsoft Active Directory, provides the functionality to authenticate the User with the associated login credential including Mail ID and System Password. The authentication returns a JWT token which get cached in the application local storage.

Post Creation



Amid the post creation, the post requires to be confirmed with the supervision of admin prior publishing into general audience. The illustration signifies the post is uploaded to approval in progress table and the images associated in an images table (Images are stored in format of base64).

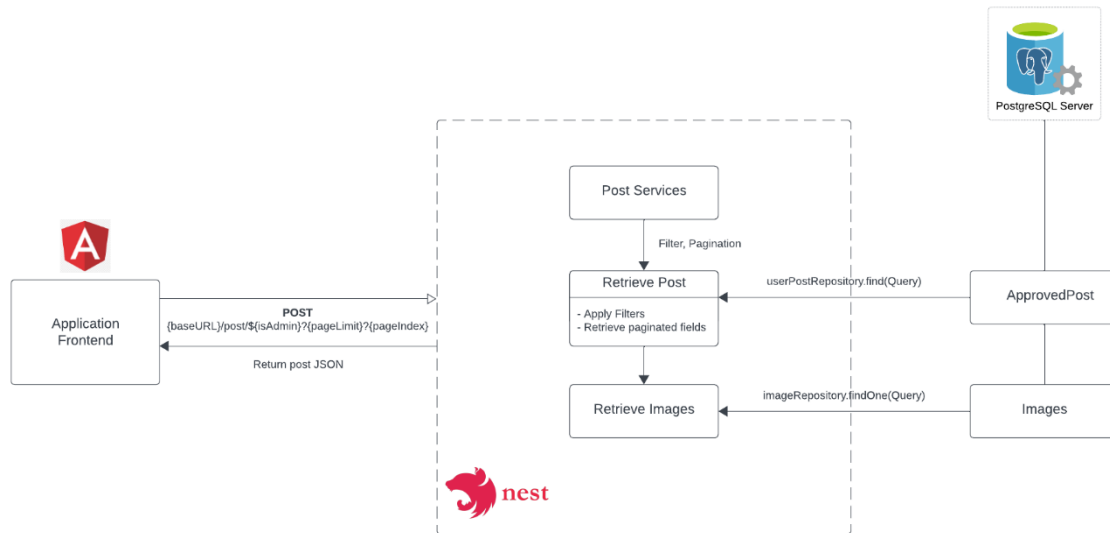
Post Approval - Admin



Post Admin approvals, the request is made to delete the post from approvalPost table, and the post data is migrated to approvedPost table. In an alternate situation, the image and the post are removed

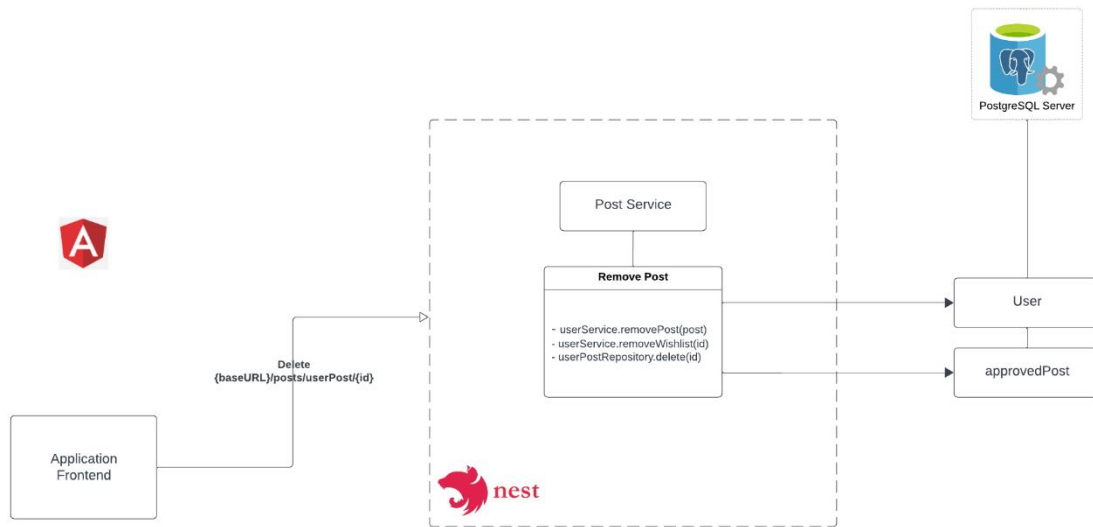
from the relevant database table. Moreover, the mail services forward a mail to the User with relevant alert.

Post pagination



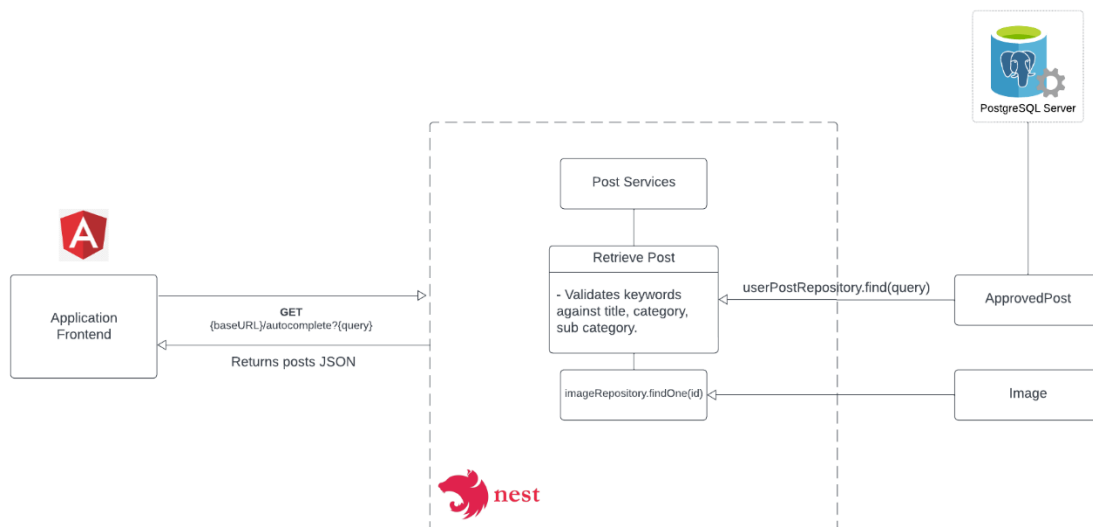
To optimize the frontend performance. The post results are limited utilizing pagination, followed by post filters. Returns post related JSON data, attached with a single base64 formatted image for each individual posts.

Post Deletion



When user deletes the post, initially the post IDs are removed from the user's Wishlist and post owner ads column. Eventually, the relevant post data and images are eradicated.

Browsing functionality



Based on the keyword changes (set for every 3000 ms), the posts are retrieved. Keywords are mapped against the title, category and subcategory.

Technical Stack and Server details

Frontend: Angular
Backend: Nest
Database: PostgreSQL

Prod environment

Server: 10.20.154.30
Port: 80

UAT environment

Server: 10.20.154.68

Domain

<http://markethub.brandixlk.org/>

Git Repository

https://github.com/brandix-ict/BEL_MARKET_HUB.git