

Full Stack Project

Hive Verse

Key Points

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Introduction

HiveVerse: A Collaborative Web-Link
Sharing Platform

Organize, Share, and Collaborate with
Weblinks



Our Team & Contributions



Parimala Raval

- Project Setup
- Auth API
- Hive API
- JWT Integration
- Register UI
- MongoDB Integ.
- Presentation



Vaishali Chauhan

- Login UI
- Member API
- Member UI
- Presentation



Simarjit Kaur

- Dashboard UI
- Preview API
- Preview UI
- Presentation



Chakrapani Chintala

- Dashboard UI
- Invite API
- Invite Workflow
- Presentation

Key Features

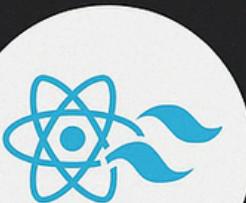
JWT-based
Authentication



Email Invitations via
Gmail SMTP



Responsive UI with
React and Tailwind CSS



- JWT- based Authentication
- Email Invitations via Gmail SMTP
- Responsive UI with React and TailwindCSS
- OpenGraph-based Link Previews

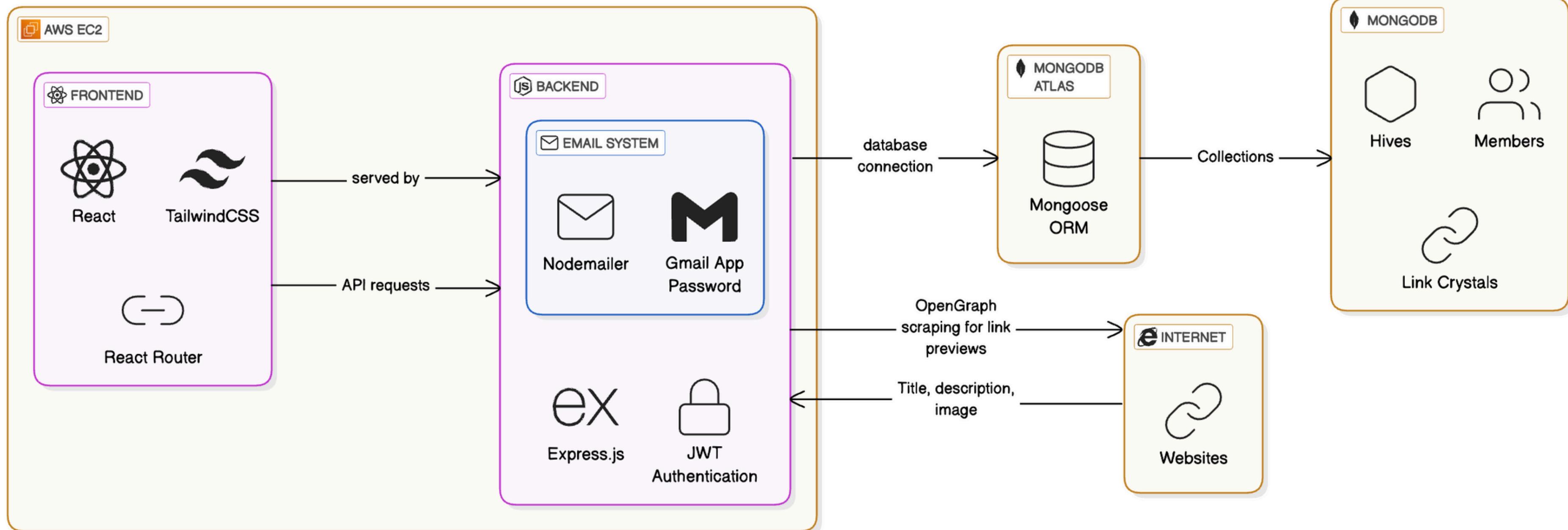
Technology Stack

- Frontend: React, TypeScript, TailwindCSS
- Backend: Node.js, Express.js, MongoDB
- Email Service: Nodemailer with Gmail SMTP
- MongoDB for Data Storage

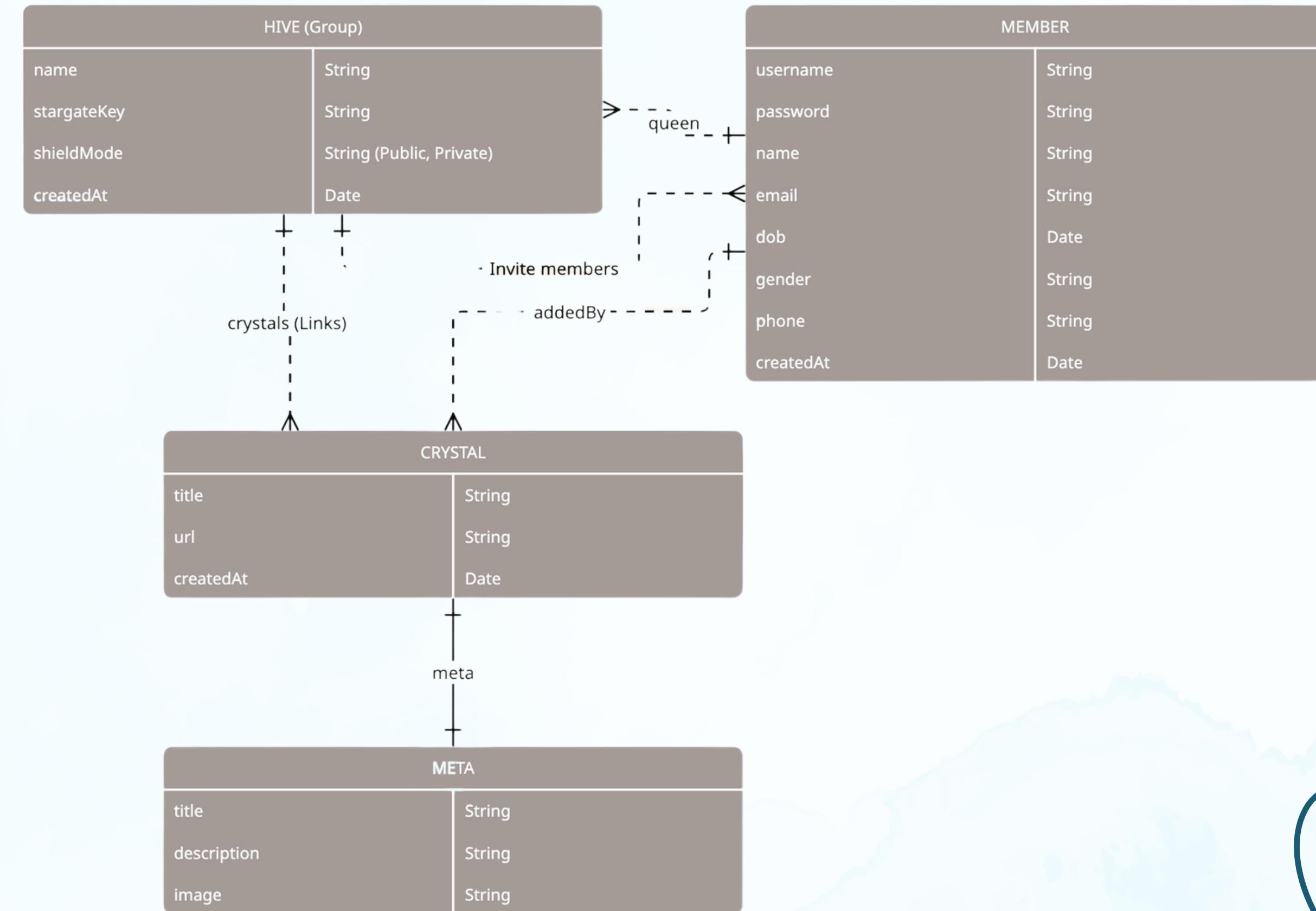


Implementation Plan

HiveVerse Architecture



Database Schema



API

🔒 /api/auth – Authentication

Method	Endpoint	Purpose
POST	/register	Register a new user
POST	/login	Log in and receive JWT token

👤 /api/member – User Profile Management

Method	Endpoint	Purpose
GET	/	Get logged-in user profile
PUT	/	Update logged-in user profile
DELETE	/	Delete logged-in user account

🐝 /api/hive – Hive Management

Method	Endpoint	Purpose
POST	/	Create a new Hive
POST	/:hiveId/invite	Send an invite to a Hive
POST	/accept/:key	Accept a Hive invite via key
POST	/:id/crystals	Add one or more crystals (links) to a Hive
GET	/mine	Get Hives user owns or is a member of
GET	/:hiveId	Get full details of a specific Hive
DELETE	/:hiveId	Delete a Hive (Queen only)
DELETE	/:hiveId/crystals/:crystalId	Delete a crystal (Queen or crystal creator only)

🔍 /api/preview – Link Previews

Method	Endpoint	Purpose
GET	/	Fetch OpenGraph metadata for a URL

👋 /api/hello – Test Route

Method	Endpoint	Purpose
GET	/hello	Test backend connectivity

Demo

[Demo locally](#)

[Demo live](#)

[MongoDB](#)

FAQ

Do you use authentication in your project? — Yes (using JWT token)

Can users register and log in? — Yes

Is the password stored securely? — Yes (using bcrypt)

Did you build CRUD for users? — Yes

Can a user create a group (Hive)? — Yes

Can a Hive be public or private? — Yes

Did you implement email invitation? — Yes (Gmail SMTP + Nodemailer)

Can users join a Hive from email invite? — Yes

Can members add links (Crystals) to Hives? — Yes

Can only members or owners see private Hives? — Yes

Is there a dashboard to view user Hives? — Yes

Is your UI mobile responsive? — Yes (TailwindCSS)

Can a user delete a Crystal? — Yes (if owner or adder)

Are there link previews like WhatsApp? — Yes (OpenGraph-based)

Do you use a database in your app? — Yes (MongoDB + Mongoose)

Is data shown dynamically from the backend? — Yes

Thank You