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THE ROOTSQUAD TEAM

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- Ui design
- Front-end Development
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WHAT IS ROOTSQUAD?

A **social media** and **community forum** app for **plant lovers**
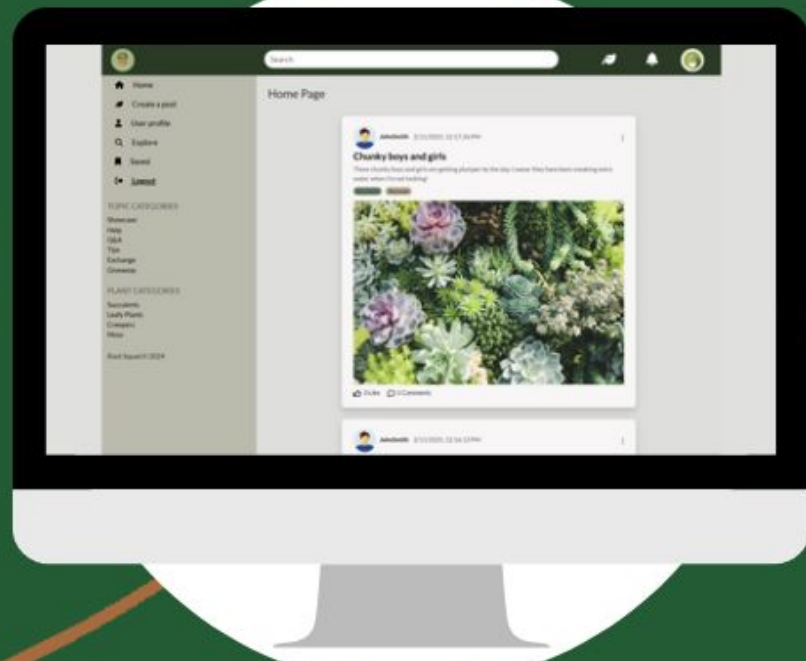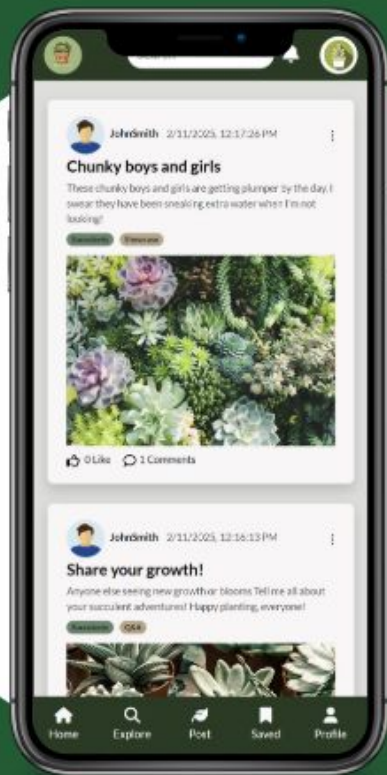
Our app **connects** people who love house plants, where you can **share** tips, plant stories, and meet new plant enthusiasts.

Skills and Tools Utilised in the Project

Front-End

HTML5
CSS3
Bootstrap
JS

Back-End

Java
spring
MySQL

Tools

GitHub
Visual Studio Code
IJ

KEY FEATURES

Responsive Design
Works on all devices
seamlessly

List by Categories
Organize posts based
on plant types & care

Scrollable Home Feed
See new posts
in a smooth,
endless scroll
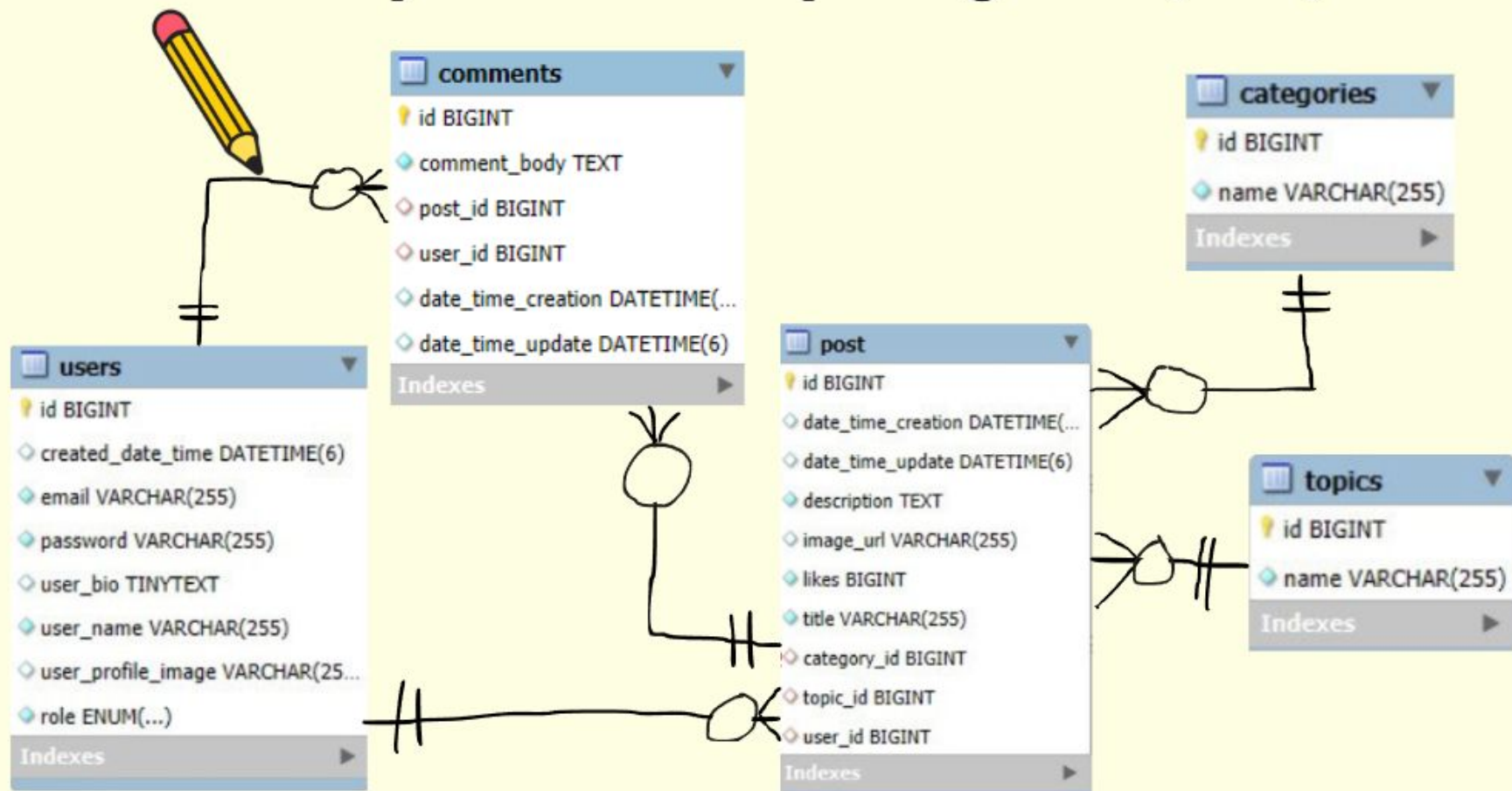
View a Post
Read and
engage with
individual posts

Search Posts
Find plant-related
posts easily

List by Topics
Browse posts
grouped by topic

Create a Post
Share your
plant updates
and tips

Entity Relationship Diagram (ERD)

comments
- 🔑 id BIGINT
- 🔷 comment_body TEXT
- 🔶 post_id BIGINT
- 🔶 user_id BIGINT
- 🔷 date_time_creation DATETIME(...
- 🔷 date_time_update DATETIME(6)

Indexes

categories
- 🔑 id BIGINT
- 🔷 name VARCHAR(255)

Indexes

users
- 🔑 id BIGINT
- 🔷 created_date_time DATETIME(6)
- 🔷 email VARCHAR(255)
- 🔷 password VARCHAR(255)
- 🔷 user_bio TINYTEXT
- 🔷 user_name VARCHAR(255)
- 🔷 user_profile_image VARCHAR(25...
- 🔷 role ENUM(...)

Indexes

post
- 🔑 id BIGINT
- 🔷 date_time_creation DATETIME(...
- 🔷 date_time_update DATETIME(6)
- 🔷 description TEXT
- 🔷 image_url VARCHAR(255)
- 🔷 likes BIGINT
- 🔷 title VARCHAR(255)
- 🔶 category_id BIGINT
- 🔶 topic_id BIGINT
- 🔶 user_id BIGINT

Indexes

topics
- 🔑 id BIGINT
- 🔷 name VARCHAR(255)

Indexes

SOFTWARE DEVELOPMENT TIMELINE ✓

Nov 24	App Ideation
	ERD Design
Oct 24	UIUX Design
	HTML, CSS & Bootstrap
Dec 24	Frontend Javascript
	Database design
Jan 25	Develop REST apis for database operations
Feb 25	Deployment

User Flow Diagram

Sign in/ Sign up → Home Feed → View Post

Create Post → View Post

Search Page → List by Search Page → View Post

List by Topics Page → View Post

List by Category Page → View Post

Profile Page

About Page
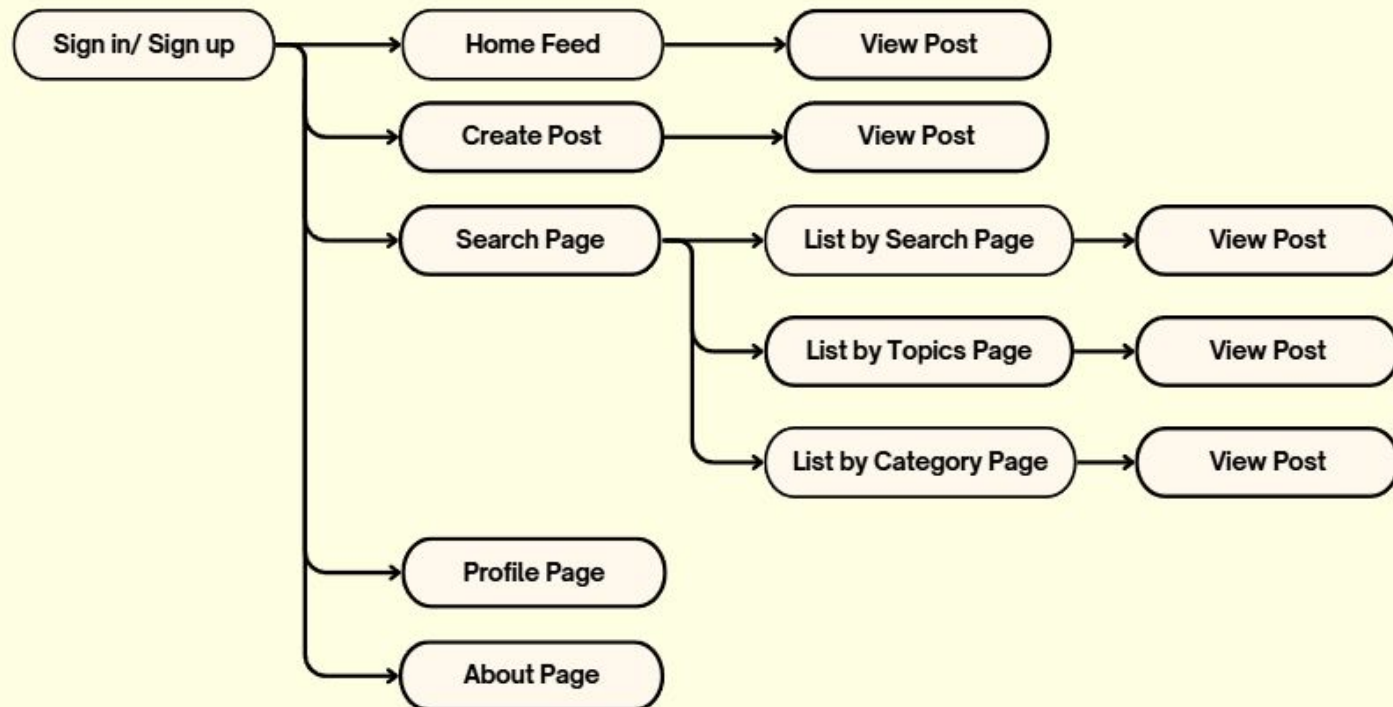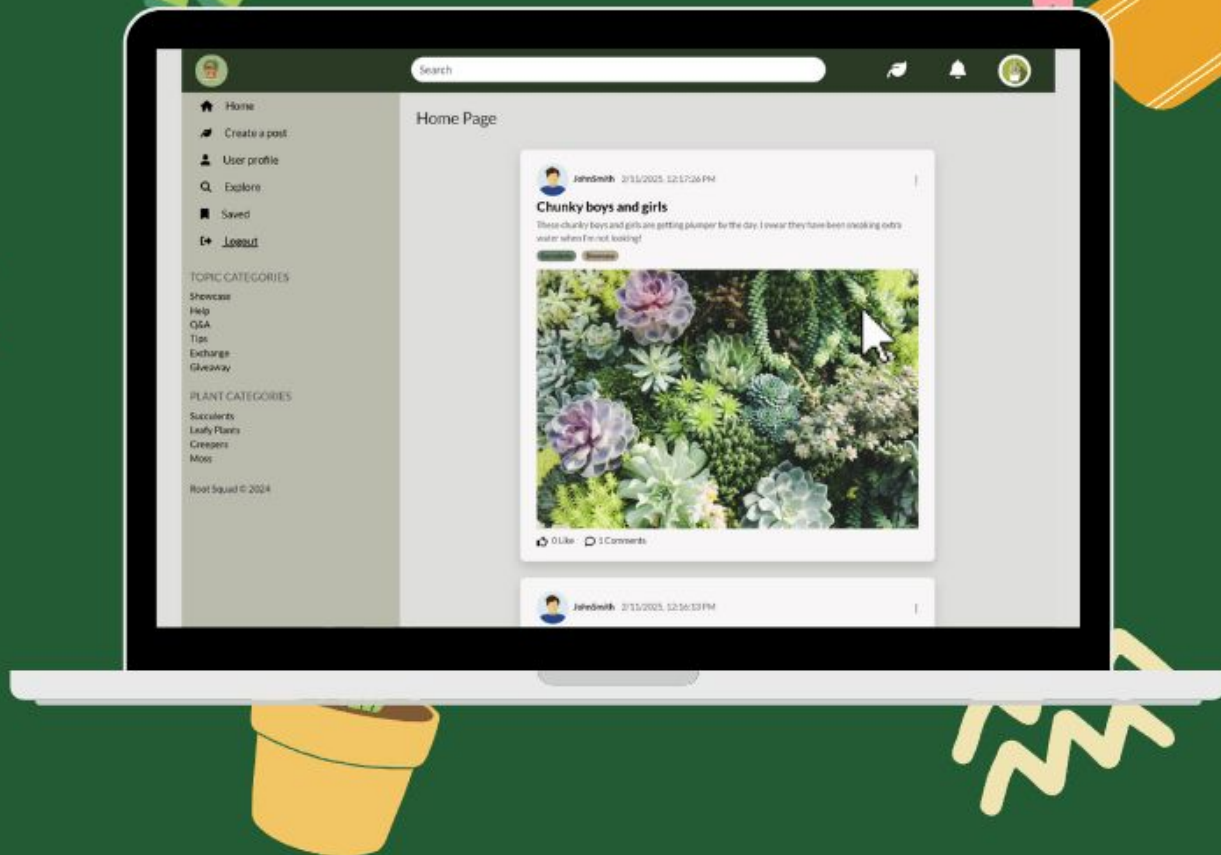
BEHAVIOURAL SKILLS & MINDSET

Growth Mindset & Persistence

We faced challenges such as troubleshooting bugs and incorporating our desired features, but we managed to pushed on and accomplish them

Future Orientation

Manage our short and long-term goals and proactively work on them to achieve success for the capstone.

Teamwork

Ensured constant communications and check-ins on each other's progress and render support to each other when required, e.g. bug fixing or implementing complex features.

Accomplishments and Challenges

Accomplishments:

- Built a full-stack web portal from scratch.
- Integrated APIs for enhanced functionality.
- Designed for responsiveness across devices.
- Used version control for smooth collaboration.

Challenges Overcame:

- Debugged complex issues to optimize performance.
- Adapted quickly to new technologies and frameworks.
- Collaborated effectively in a remote environment.
- Balanced project scope between learning and practicality.

FUTURE ROADMAP / WISHLIST

- [ ] Likes
- [ ] Add friends
- [ ] Search for User
- [ ] Group meetups
- [ ] Direct Messaging
- [ ] Saved post
- [ ] Stories

Thank you!!

Front-end
Github Link:

https://github.com/Zoooriiel/
team-1-repo

Back-end
Github Link:

https://github.com/ChanJESG/
team-1-repo-backend

Special thanks to: Advisor & Instructor Martin Leong