Progressive Education Society's

# Modern College of Engineering,

Pune-05

## Department of MCA

## Project Presentation

on

# FusionFit

by


Akhilesh .R.Shinde 51159

Shreyas Raut 51148

Vijayraj Parve 51139

Nitesh Rajpurohit 51145


Under the guidance of : Rajlaxmi Kanade

# Introduction

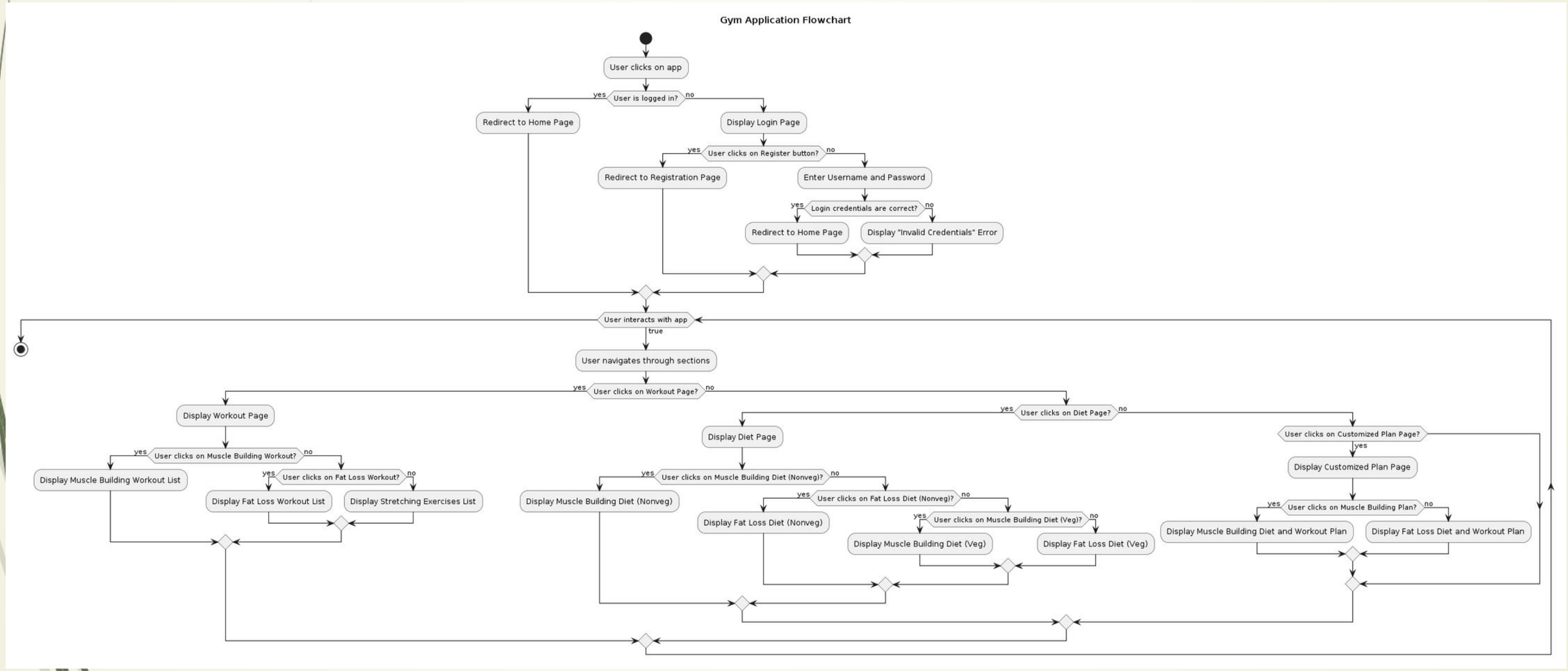
In an era where health and well-being are paramount, FusionFit emerges as a beacon of innovation in the realm of fitness applications. Designed to cater to the diverse needs of today's fitness enthusiasts, FusionFit offers a seamless and personalized experience aimed at empowering users on their journey towards optimal health. With a focus on convenience, community, and customization, FusionFit redefines the way individuals approach fitness, providing a comprehensive suite of features tailored to meet their unique goals and preferences.

FusionFit

# Technologies Used

- Android Studio(IDE)
- Kotlin(Programming Language)
- Jetpack Compose(Programming Language)
- Firebase(Database)
- Github(Version Control)

# Diagram


Gym Application Flowchart
User clicks on app
User is logged in?
yes
no
Redirect to Home Page
Display Login Page
User clicks on Register button?
Redirect to Registration Page
Enter Username and Password
Login credentials are correct?
Redirect to Home Page
Display "Invalid Credentials" Error
User interacts with app
true
User navigates through sections
User clicks on Workout Page?
Display Workout Page
User clicks on Muscle Building Workout?
Display Muscle Building Workout List
User clicks on Fat Loss Workout?
Display Fat Loss Workout List
Display Stretching Exercises List
User clicks on Diet Page?
Display Diet Page
User clicks on Muscle Building Diet (Nonveg)?
Display Muscle Building Diet (Nonveg)
User clicks on Fat Loss Diet (Nonveg)?
Display Fat Loss Diet (Nonveg)
User clicks on Muscle Building Diet (Veg)?
Display Muscle Building Diet (Veg)
Display Fat Loss Diet (Veg)
User clicks on Customized Plan Page?
Display Customized Plan Page
User clicks on Muscle Building Plan?
Display Muscle Building Diet and Workout Plan
Display Fat Loss Diet and Workout Plan

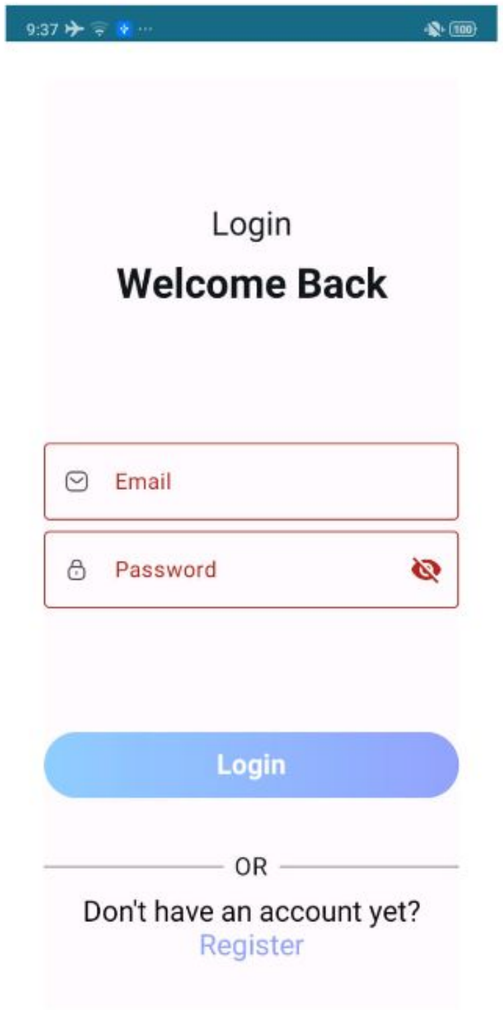
# Limitaions

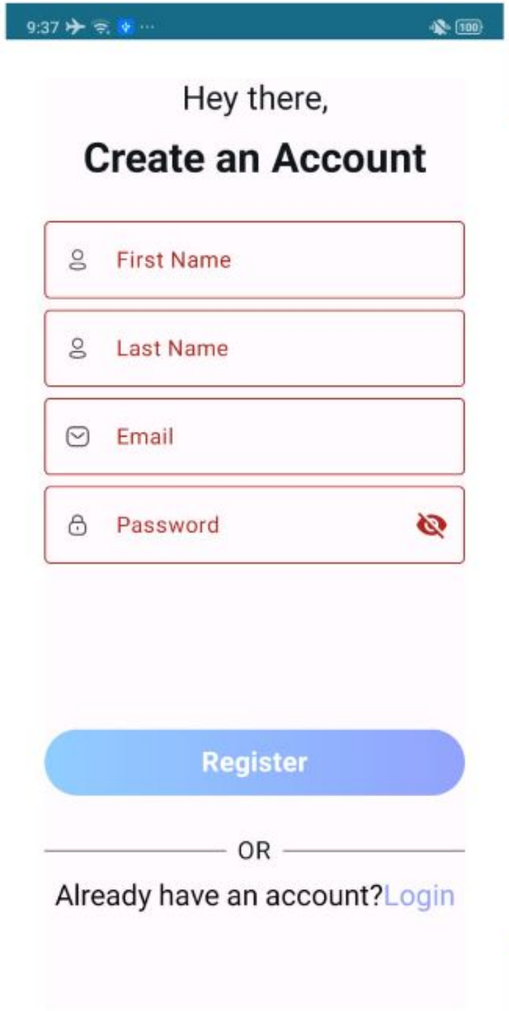
1. Less Information in the Profile page
2. Limited database connectivity
3. Less dynamic
4. Lacking the facility to edit the user profile
5. Less optimized
6. Platform dependency as it is an android app

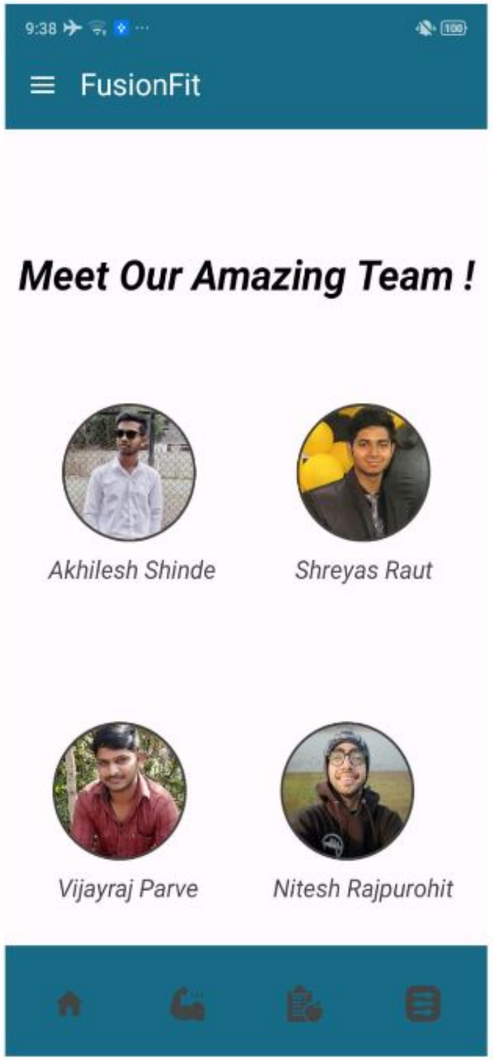
# Future Enhancements

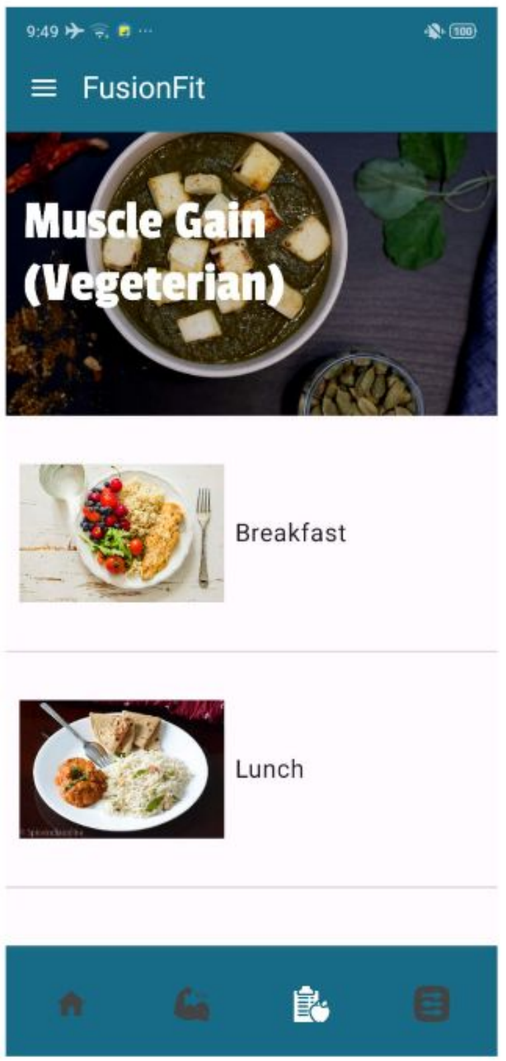
- Integration of machine learning algorithms for personalized workout and diet recommendations.
- Compatibility with fitness tracking devices to measure various parameters like step count, heart rate ,etc.
- Users can set their goals and maintain a log to track their progress
- Better UI
- Better optimization
- Integration of a timer in all the workouts so that user can follow it.

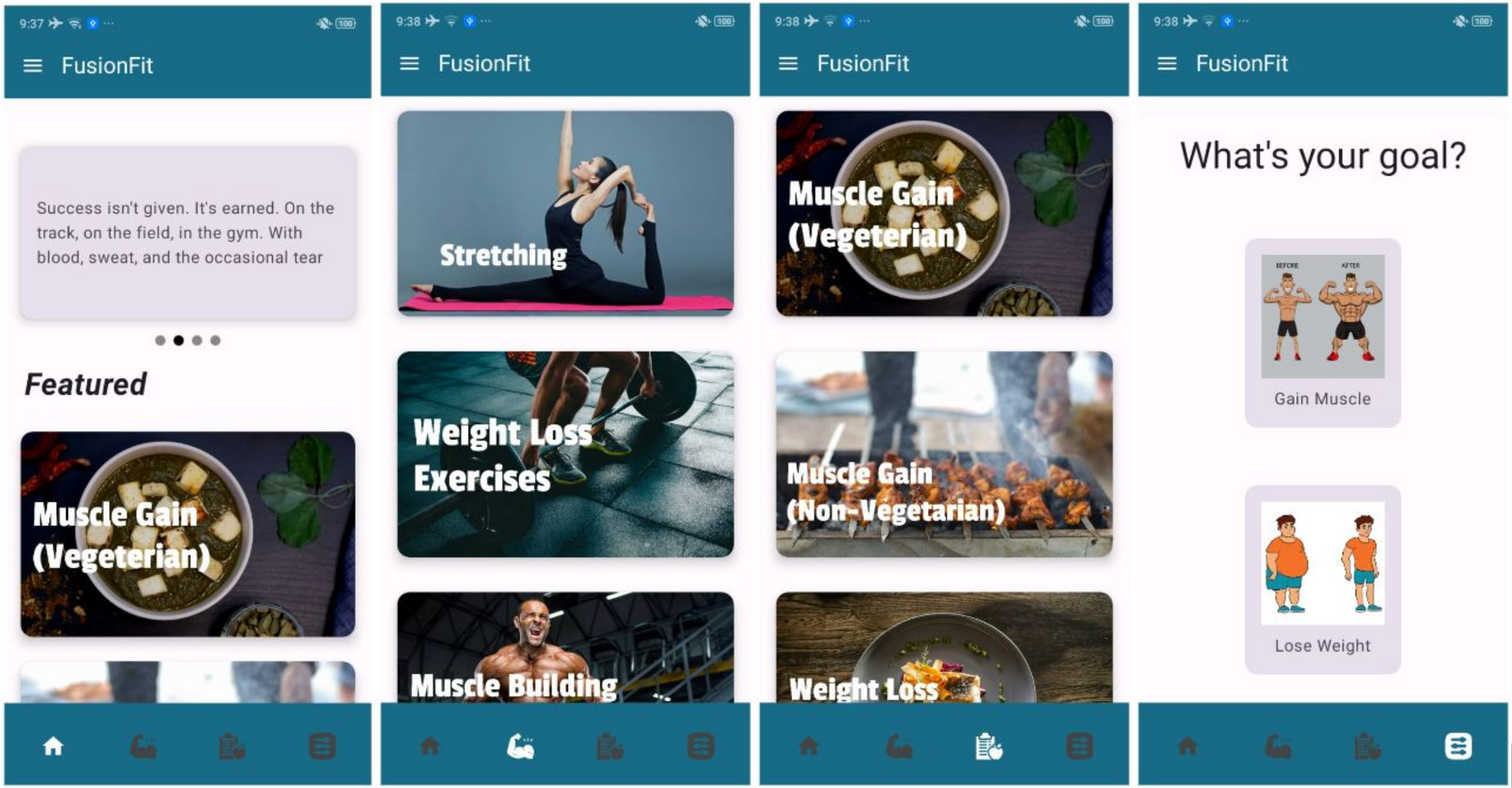
# Image Gallery

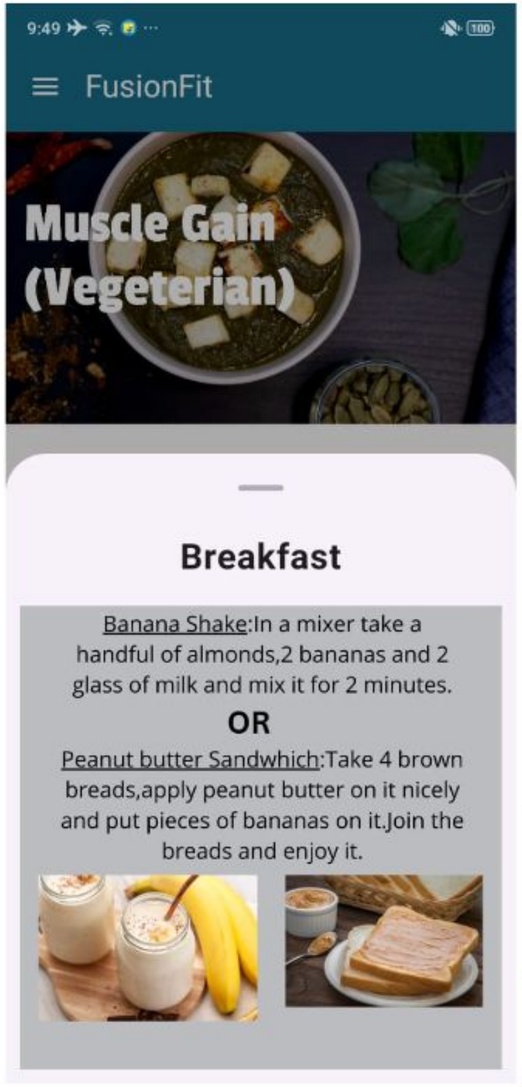


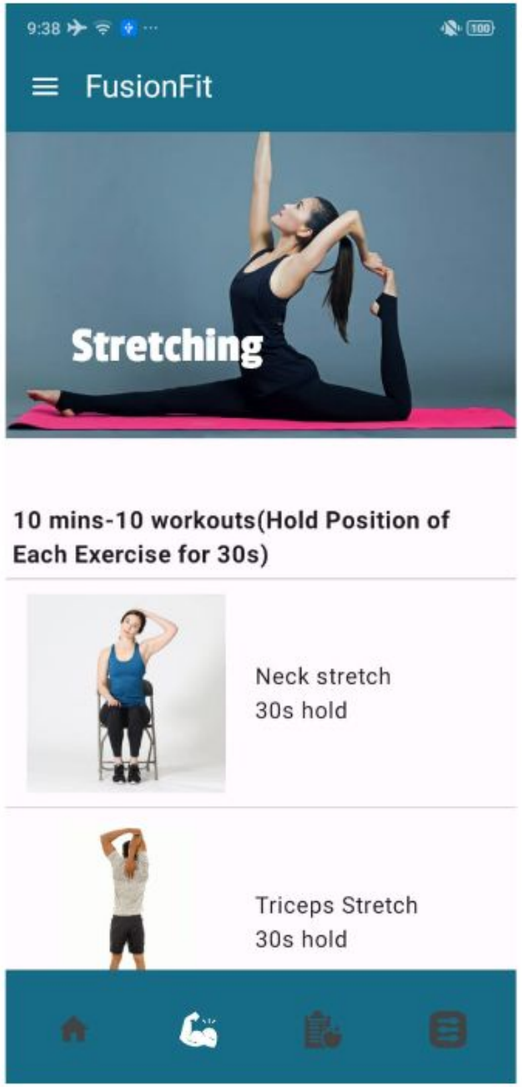



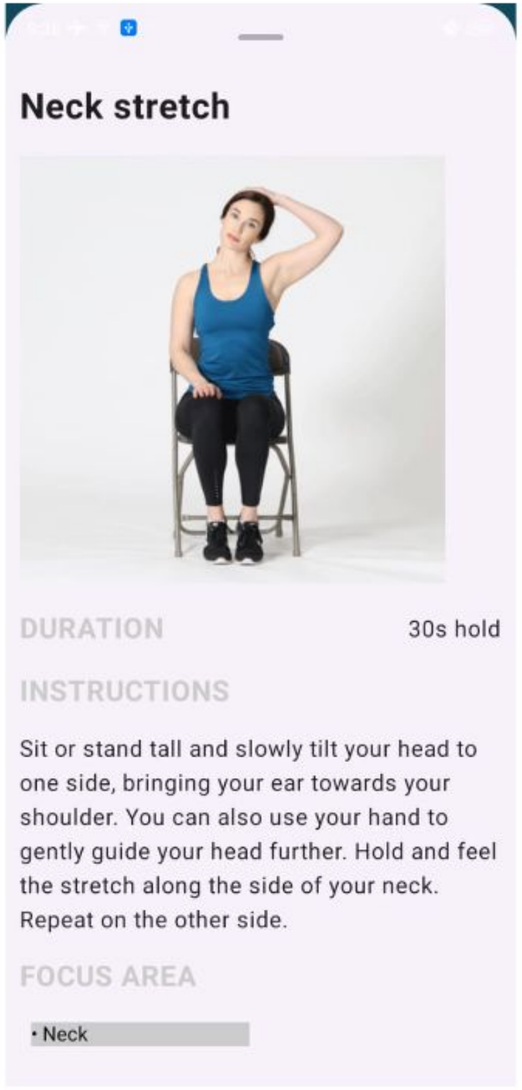



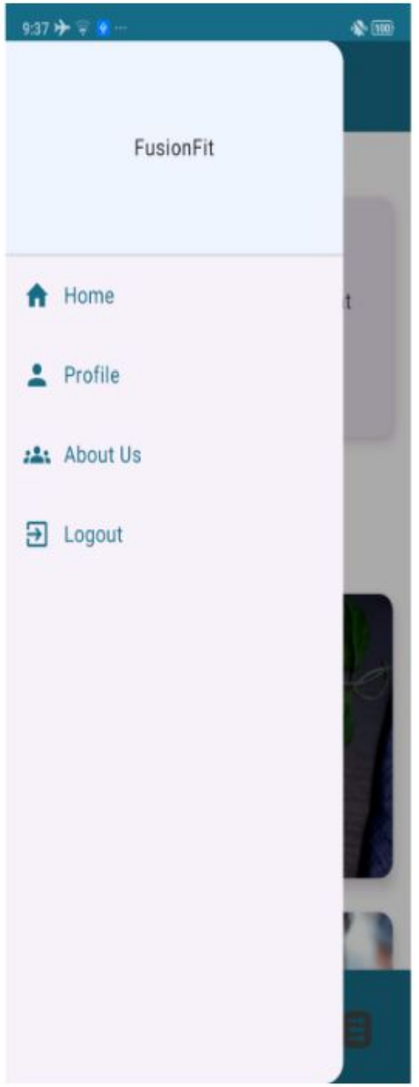




FusionFit
Success isn't given. It's earned. On the track, on the field, in the gym. With blood, sweat, and the occasional tear
Featured
Muscle Gain (Vegeterian)
Muscle Building
FusionFit
Stretching
Weight Loss Exercises
Weight Loss
FusionFit
Muscle Gain (Vegeterian)
Muscle Gain (Non-Vegetarian)
Weight Loss
FusionFit
What's your goal?
BEFORE
AFTER
Gain Muscle
Lose Weight


9:49
FusionFit
Muscle Gain (Vegeterian)
Breakfast
Banana Shake:In a mixer take a handful of almonds,2 bananas and 2 glass of milk and mix it for 2 minutes.
OR
Peanut butter Sandwhich:Take 4 brown breads,apply peanut butter on it nicely and put pieces of bananas on it.Join the breads and enjoy it.


9:38
FusionFit
Stretching
10 mins-10 workouts(Hold Position of Each Exercise for 30s)
Neck stretch
30s hold
Triceps Stretch
30s hold


Neck stretch
DURATION
30s hold
INSTRUCTIONS
Sit or stand tall and slowly tilt your head to one side, bringing your ear towards your shoulder. You can also use your hand to gently guide your head further. Hold and feel the stretch along the side of your neck. Repeat on the other side.
FOCUS AREA
• Neck


9:37
FusionFit
Home
Profile
About Us
Logout

# Conclusion

In conclusion, the development of FusionFit has been a fulfilling journey towards creating a comprehensive fitness application tailored to the needs of modern users. The app aims to provide users with a seamless experience in accessing fitness resources, tracking progress, and engaging in a community-driven platform.

Throughout the development process, several key objectives were achieved. FusionFit successfully implemented user authentication functionalities, allowing users to securely register and login to their accounts. The app also provides a user-friendly interface for creating and updating user profiles, ensuring a personalized experience for each user.

thank

you