PARSHWANATH CHARITABLE TRUST'S
A.P. SHAH INSTITUTE OF TECHNOLOGY
Department of Computer Science and Engineering
Data Science

# TREK MOSAIC

## Group Members:

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Project Guide : -
**Prof. Sarala Mary**

# Contents

# 1. Introduction

Designed with meticulous attention to detail, our Trek Mosaic  is your indispensable companion for crafting the perfect trekking experience. From selecting the ideal trail to preparing a comprehensive itinerary, we're here to ensure every step of your journey is infused with excitement and safety.

Problem Identified :

- Lack of single trekker oriented software
- Difficulty in Trail Selection
- Lack of Comprehensive Information
- Lack of proper gear

Solution Proposed :

- Comprehensive Trekker Platform
- Personalized Trail Selection
- Rich Information Hub
- Gear Recommendations

# 2. Objectives

- To deliver In-Depth Trek Details
- To streamline Itinerary Planning
- To simplify Trail Selection
- To curate Comprehensive Trek Information
- To get appropriate Gears needed for trekking

# 3. Scope

1. User-friendly interface for easy navigation.
2. Targeting outdoor enthusiasts and trek leaders.
3. Personalized trek selection based on preferences.
4. Comprehensive trail information and real-time updates**.**

# 4. Feature /Functionality

- Trek Info:  Explore an extensive database of trekking trails, each accompanied by comprehensive information, including trail descriptions.
- Create Trek: Experienced trekking professionals can effortlessly organize and lead treks within the app.
- Join Trek: Easily discover and join treks organized by experienced leaders and fellow enthusiasts.
- My Profile: Create and manage your personalized trekking profile, showcasing your trekking achievements, favorite trails.
- Information Page :Providing detail information about various treks
- Gear Selection Page : Provide a list of necessary gear to rent required for various expeditions.

# 5. Outcome of Project

- Detailed trail database
- User friendly
- Easy trek discovery
- Personalized profiles
- In-depth trek info
- Enhancing trekking app
- Gear selection options

# 6. Technology Stack

- Core Java : -

  JDK 20 - Java(TM) SE Runtime Environment (build 20.0.2)

- Frontend implementation : -

  Java swing library

- Development Tools : -

  IDE - Apache Netbeans 18

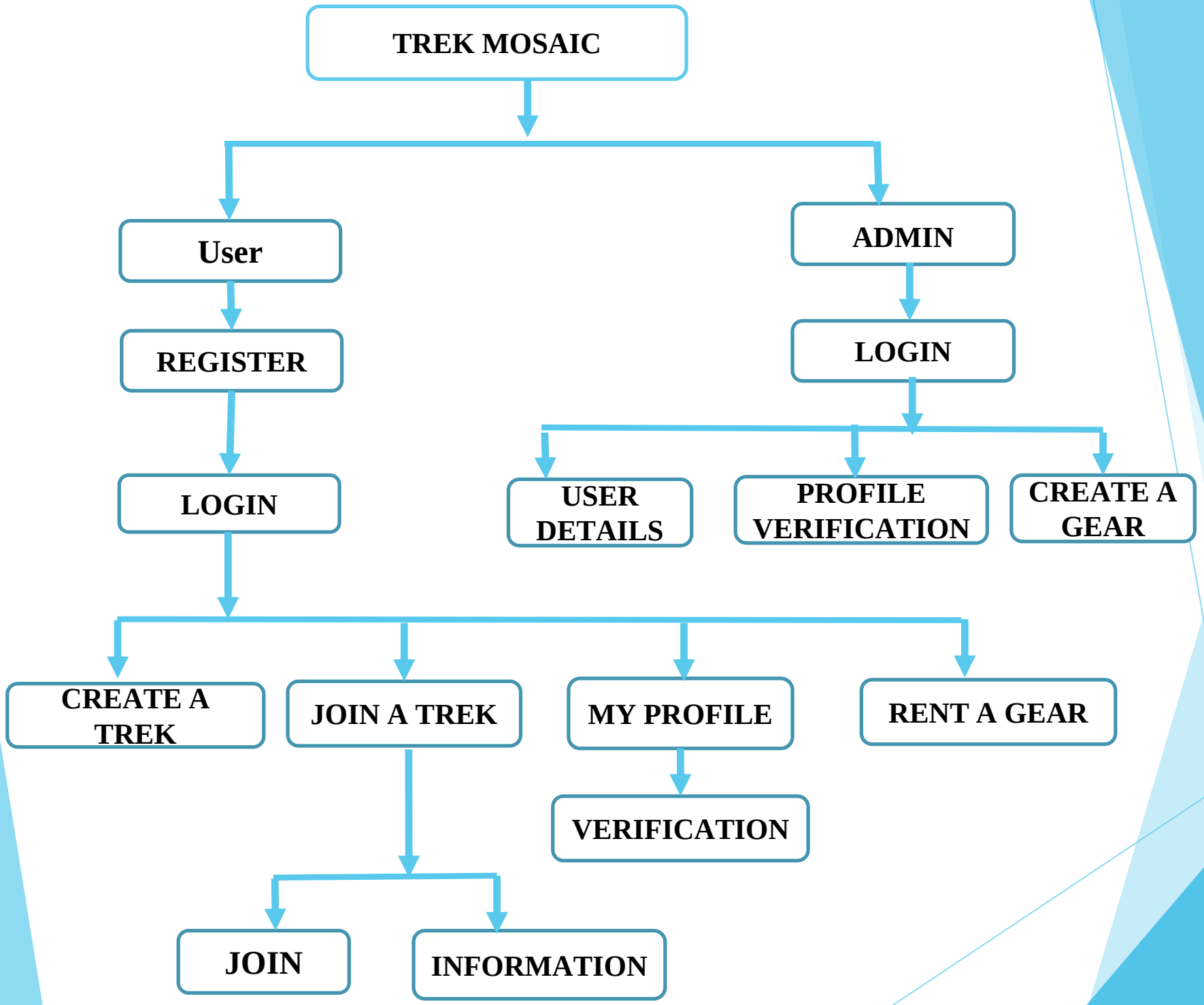
- Version Control : -

  git version 2.41.0.windows.3

  github (to upload repositories)

- Backend Implementation:-

  MySql 8.0


TREK MOSAIC
User
ADMIN
REGISTER
LOGIN
LOGIN
USER DETAILS
PROFILE VERIFICATION
CREATE A GEAR
CREATE A TREK
JOIN A TREK
MY PROFILE
RENT A GEAR
VERIFICATION
JOIN
INFORMATION

Thank You...!!