GROUP 6

AN INTEGRATED PLATFORM FOR KNOWLEDGE SHARING

Group members:
1. Shankarlal Sharma
2. Gaurav Babar
3. Dharmraj Yadav
4. Satyajeet Yadav

Guide:
Prof. Apeksha Mohite

Co-Guide:
Prof. Neha Deshmukh

1.
Introduction

- **Purpose**
  - **What?**
  - **Why?**
  - **How?**
  - **Who?**

Purpose of the project

What?

Our motive is to build a platform that will help teachers and students of a university to come together to share their knowledge and learn with each other.

Why?

The problem that comes is there is no single book, portal, website where students of a university can get relevant content for learning of the courses in that particular university. This causes the students to read from various unreliable sources and understanding of the subject is unclear at the end and that leads to less understanding and low score in examinations.

How?

Register	Learn	Teach	Grow

The user will first have to register to the site to create his/her own identity to browse through the entire site

After the sign in, the user will be able to start the process of acquiring new, or modifying existing, knowledge, behaviors, skills, values
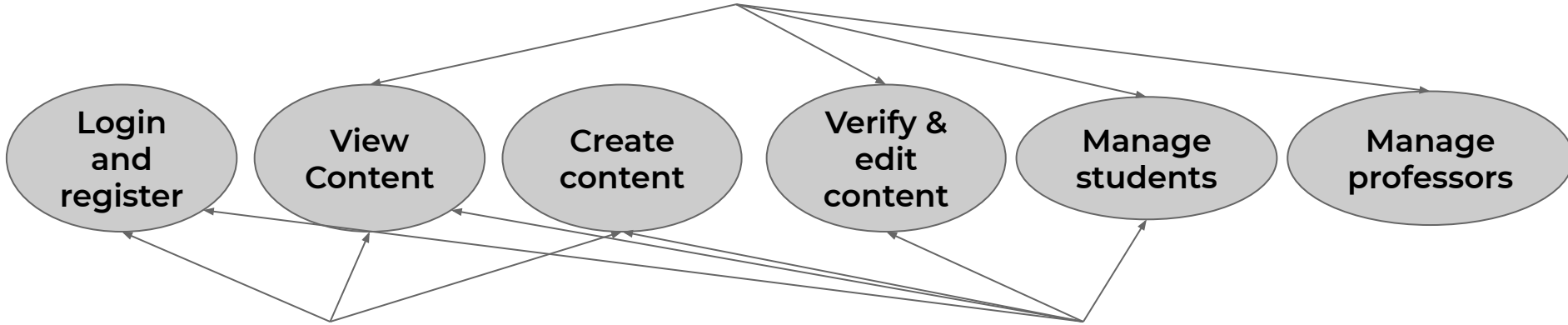
If the user has better skills, he can show enthusiasm towards the course materials and students can create a positive learning experience.

Keep exploring the content to enhance your skill set and boost your knowledge through flexible and collaborative learning
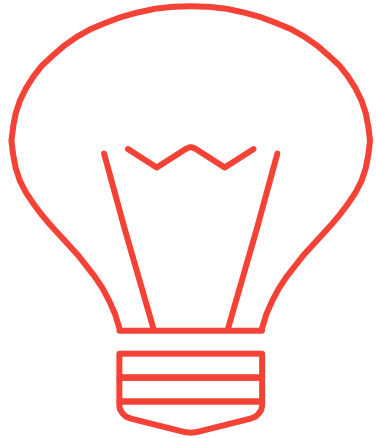
BIG CONCEPT

OF The students

FOR The students

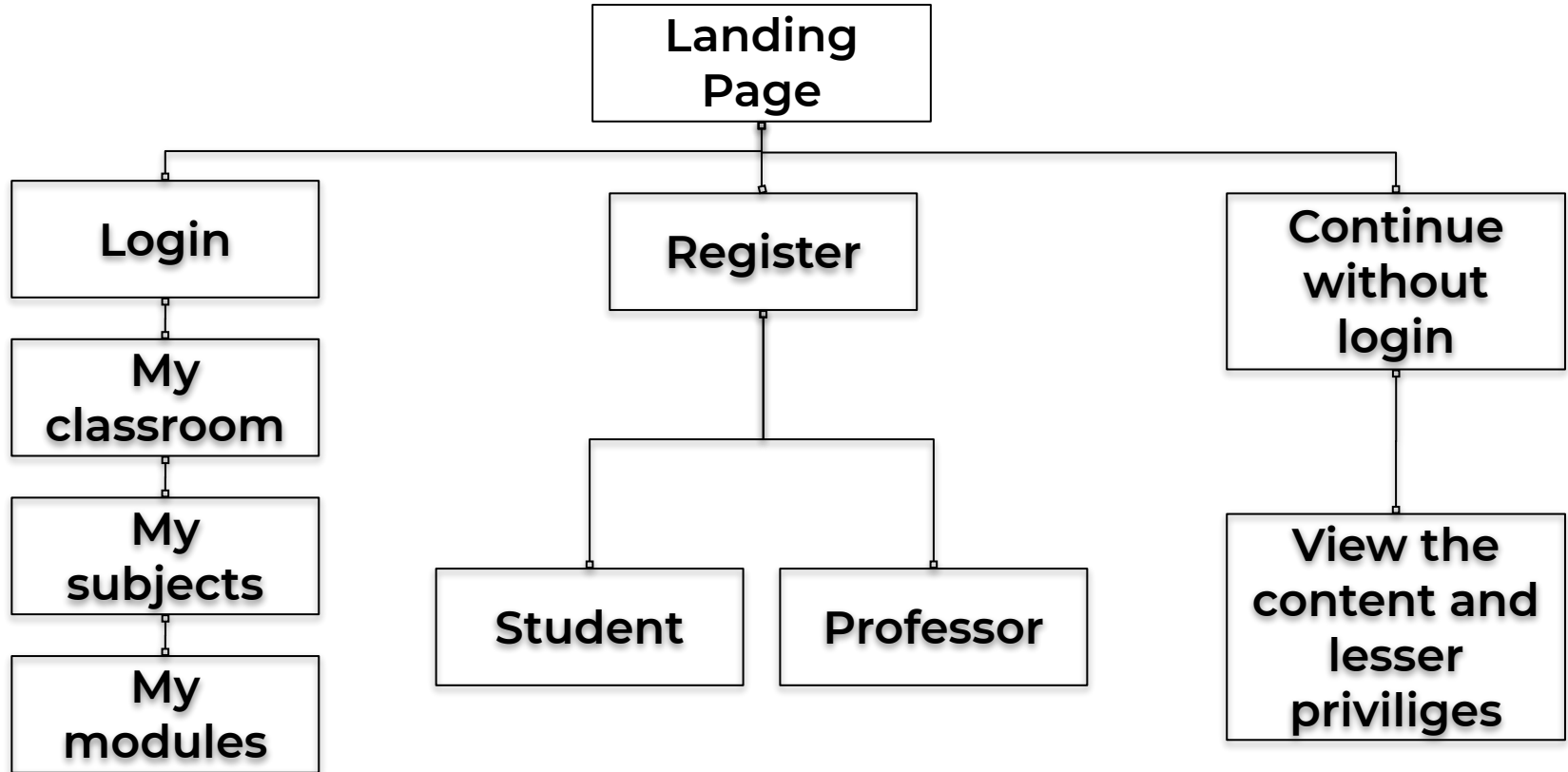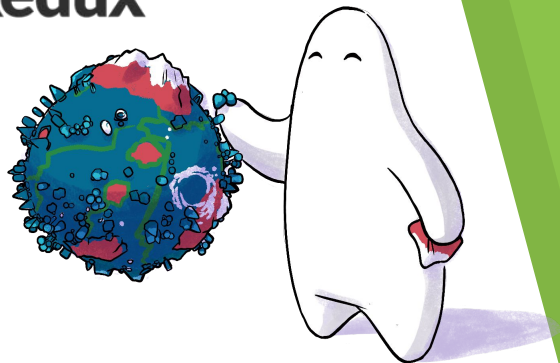**BY The students**

ABSTRACT

The issue of what content to be written in exams is generally faced by most of the students. It may happen that a student understands the concept but isn't able to represent it in a way that examiner can understand. Therefore, we intend to build a community source platform that will assist students in preparing for their exams and also for learning a proper skillset.

Key Features

- Content uploaded by students and verified by Professors.
- The user can vote for the content of the module if he finds it helpful.
- The question-answers will be automatically generated and evaluated through the system.
- There will be a feature where user inputs exam dates and gets a schedule for exam preparation.
- View content through mind-map for revision.

Architecture

```
                          ┌─────────────┐
                          │   Landing   │
                          │    Page     │
                          └─────────────┘
        ┌──────────────────────┼──────────────────────┐
  ┌──────────┐           ┌──────────┐           ┌──────────────┐
  │  Login   │           │ Register │           │   Continue   │
  └──────────┘           └──────────┘           │   without    │
        │                      │                │    login     │
  ┌──────────┐         ┌───────┴───────┐        └──────────────┘
  │   My     │         │               │                │
  │classroom │    ┌─────────┐    ┌───────────┐    ┌──────────────┐
  └──────────┘    │ Student │    │ Professor │    │  View the    │
        │         └─────────┘    └───────────┘    │ content and  │
  ┌──────────┐                                    │   lesser     │
  │   My     │                                    │  priviliges  │
  │ subjects │                                    └──────────────┘
  └──────────┘
        │
  ┌──────────┐
  │   My     │
  │ modules  │
  └──────────┘
```
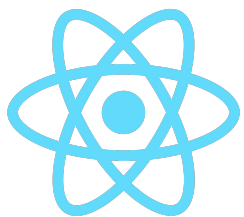
Technology stack

- ReactJS
- Redux
- RethinkDB
- Wysiwyg editor
- Machine Learning / Artificial Intelligence

OUR PROJECT FLOW

Requirement gathering

↓

Create SRS

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Verify the terms & conditions

↓

Finalise user flow

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Create User Interface

↓

Build User Interaction/Experience

↓

Build Front End

↓

Build Back End

↓

Testing

↓

Integrate Advanced AI/ML algo

↓

Deploy

References

1. https://en.wikipedia.org/wiki/Learning_environment
2. https://reactjs.org/docs/hello-world.html
3. https://redux.js.org/introduction
4. https://www.rethinkdb.com/

To teach is to learn twice.

Joseph Joubert

Thank you for your attention!
We hope you enjoyed our presentation!