Software Requirements

Specification

Data Science Hub

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1.   Objective and Scope

The Data Science Hub application aims to provide a user-friendly platform for individuals interested in learning data science. It serves as a central hub for browsing courses, understanding instructor expertise, exploring pricing options, and contacting the organization for course enrollment.

The scope of the product includes the following basic features:

- The application focuses on providing informative content for course descriptions, instructor profiles, and pricing plans.

- It includes a basic contact form for enrollment inquiries but doesn't handle full enrollment functionalities. Potential future enhancements could involve secure online enrollment with payment processing.
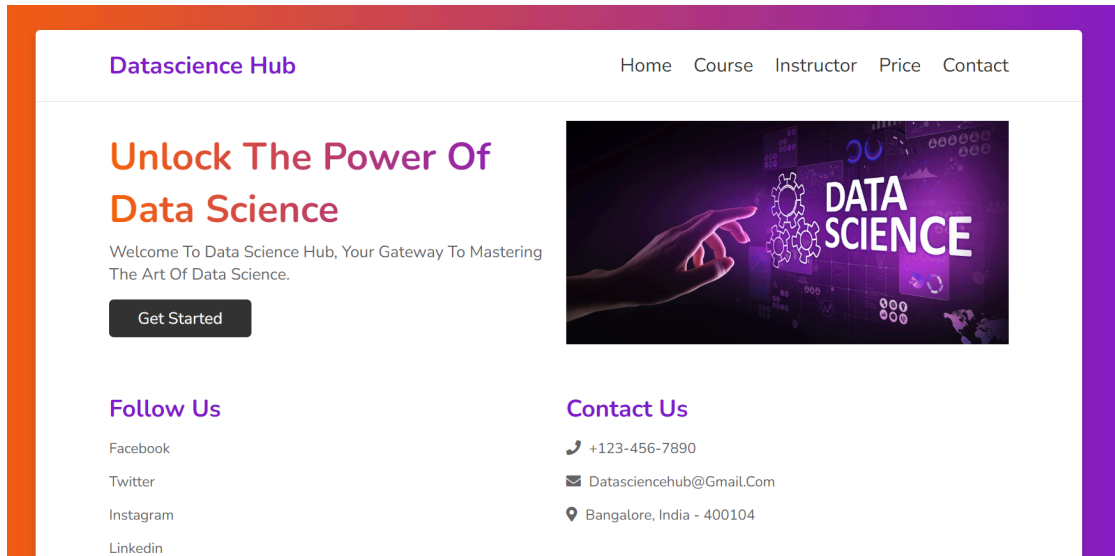
2.   Project End Users

1. Beginners seeking to explore the field.

2. Professionals looking to upskill or transition into data science.

3. Students seeking supplementary learning materials.
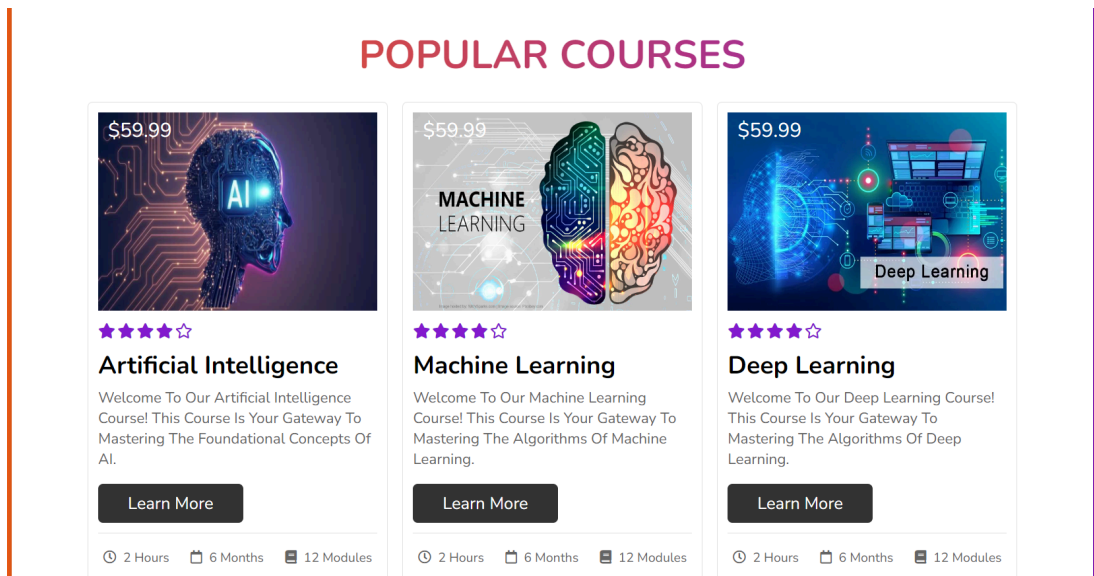
3.   Features

3.1   Informative Home Page:

- Clear call to action to "Get Started" with courses.

3.2   Comprehensive Course Page:

- Listing of 6 data science courses with engaging titles and descriptions.
- "Learn More" buttons for each course, displaying detailed content.

3.3 Engaging Instructor Page:

- Profiles of course instructors showcasing their expertise and experience.
- Links to their social media profiles (Facebook, Twitter, Instagram, LinkedIn) for further exploration.

EXPERIENCED INSTRUCTORS

Krish Naik

Krish Naik Works As A Lead Data Scientist And A Mentor, With Over 7 Years' Experience In The Industry.

Sanjay Kumar

Sanjay Kumar Is A Well-Known Data Scientist With A Strong Emphasis On Machine Learning.

Akash Raj

Akash Raj Is A Data Scientist. He Is Known For His Expertise In Machine Learning, Data Mining, And Data Visualization.

Dhaval Patel

3.4 Transparent Price Page:

- Presentation of different pricing plans (Basic, Standard, Premium) with clear descriptions of included features.
- Outlines of any bonuses offered for higher tiers.

SELECT THE PLAN

Basic	Standard	Premium
$20/Mo	$50/Mo	$90/Mo
Certificates	Certificates	Certificates
Full Courses	Full Courses	Full Courses
Full Modules	Full Modules	Full Modules
Live Projects	Live Projects	Live Projects
24 X 7 Supports	24 X 7 Supports	24 X 7 Supports
Select Plan	Select Plan	Select Plan

3.5   Contact Form:

- A simple form to collect user information and inquiries regarding course enrollment.

CONTACT US

name

email

subject

message

Send

ASPIRE SYSTEMS

4.   Functional Requirements:

User Interface: Visually appealing and easy-to-understand presentation of course details, instructor profiles, and pricing plans.

Course Page: Each course listing should be clickable to direct users to a dedicated page with comprehensive details.

Instructor Page: Instructor profiles should display relevant information, including names, bios, and social media links.

Price Page: Pricing plans should be clearly outlined with their respective features and costs.

Contact Form: The form should collect user name, email, and potentially a message field for inquiries.

5.   Non-Functional Requirements:

Security: Ensure data encryption, prevent unauthorized access, and protect against cheating.

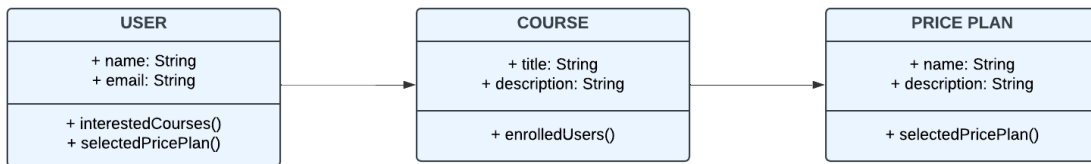**Performance:** System should handle multiple users concurrently without slowdowns or crashes.

Usability: Intuitive user interface with clear instructions for easy navigation.

Scalability: Ability to handle increasing number of users and exams without significant changes.

Accessibility: Ensure the system is accessible to users with disabilities, following WCAG guidelines.

Compatibility: Support multiple devices and browsers to accommodate diverse user base.

6.   Class Diagram:

USER
+ name: String + email: String
+ interestedCourses() + selectedPricePlan()

COURSE
+ title: String + description: String
+ enrolledUsers()

PRICE PLAN
+ name: String + description: String
+ selectedPricePlan()

7.   Sequence Diagram:

USER   COURSES   PRICE PLAN

interestedCourses()

selectedPriceplan()

enrolledUsers()