



StudyCraft: A Course Automation System

PRESENTED BY

ATIT IMTIAZ

ID: 0812120205101048

MIRAJUL NAHIM

ID: 0812210205101009

MEHADI HASAN

ID: 0812210205101027

Why this WebApp is Needed?



1

Streamlined Operation

Automate and centralize Course Automation System

2

Improved Students Experience

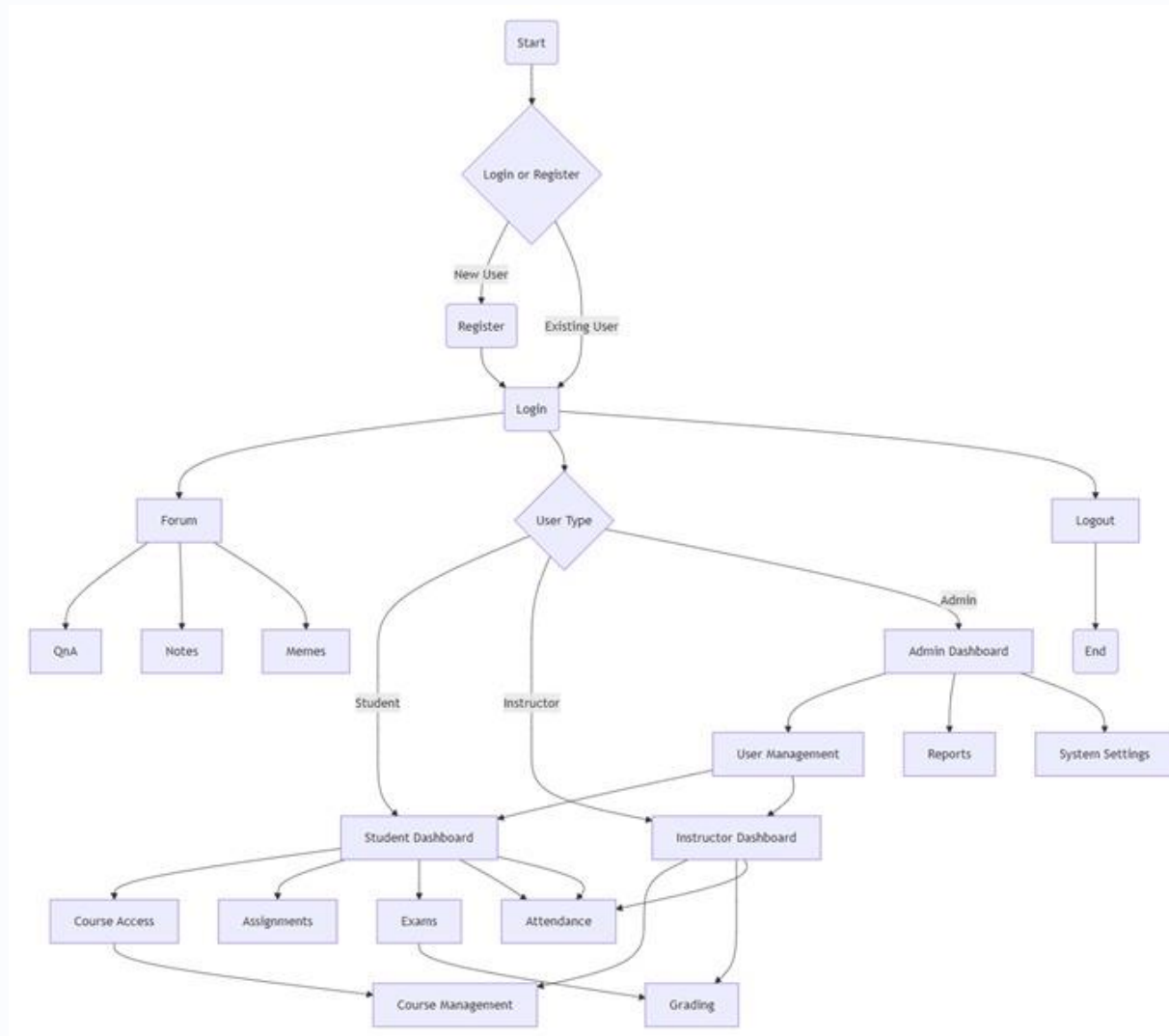
Provide a convenient and accessible platform for students.

3

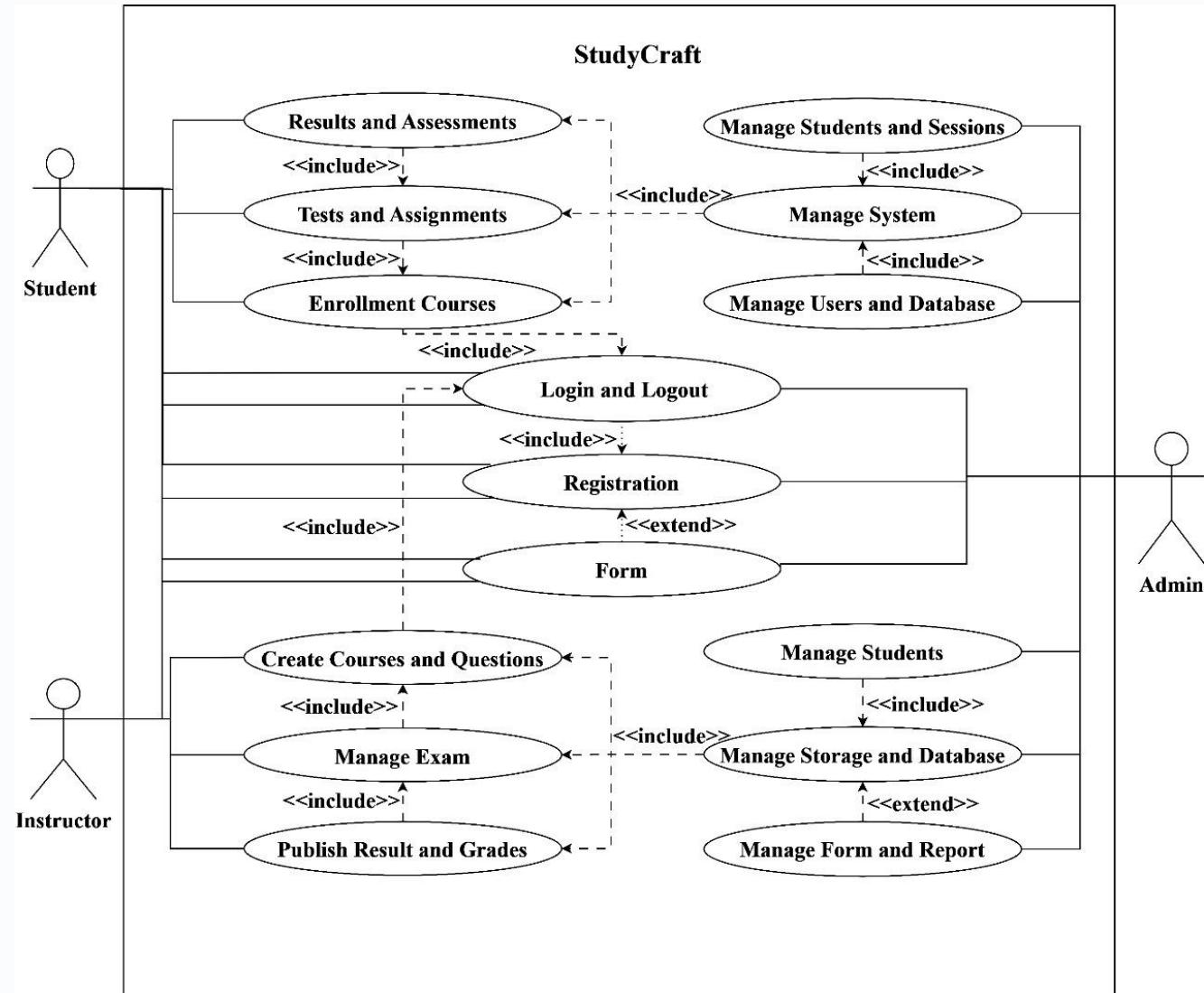
Transparency and Accountability

This app ensures clarity in financial transactions & course operations.

Flowchart for StudyCraft



Use Case Diagram for StudyCraft



Technologies Used

HTML

Structured the Content of the Web Pages

Javascript

Added Dynamic Functionality and Interactivity

CSS

Styled the User Interface for Better Experience

Xampp

Utilized cloud services for data storage and authentication


Github

Deployed the Web App to the Internet

LOGIN PAGE

StudyCraft

Your learning journey begins here



Login

Register

Welcome Back

Email Address

Password

[Forgot password?](#)

☐ Remember me

Login

OR

Google


Facebook

Don't have an account? [Register](#)

REGISTRATION PAGE

StudyCraft

Your learning journey begins here



Login

Register

Create Account

First Name

Enter your first name

Last Name

Enter your last name

Email Address

Enter your email

Password

Create a password

Confirm Password

Confirm your password

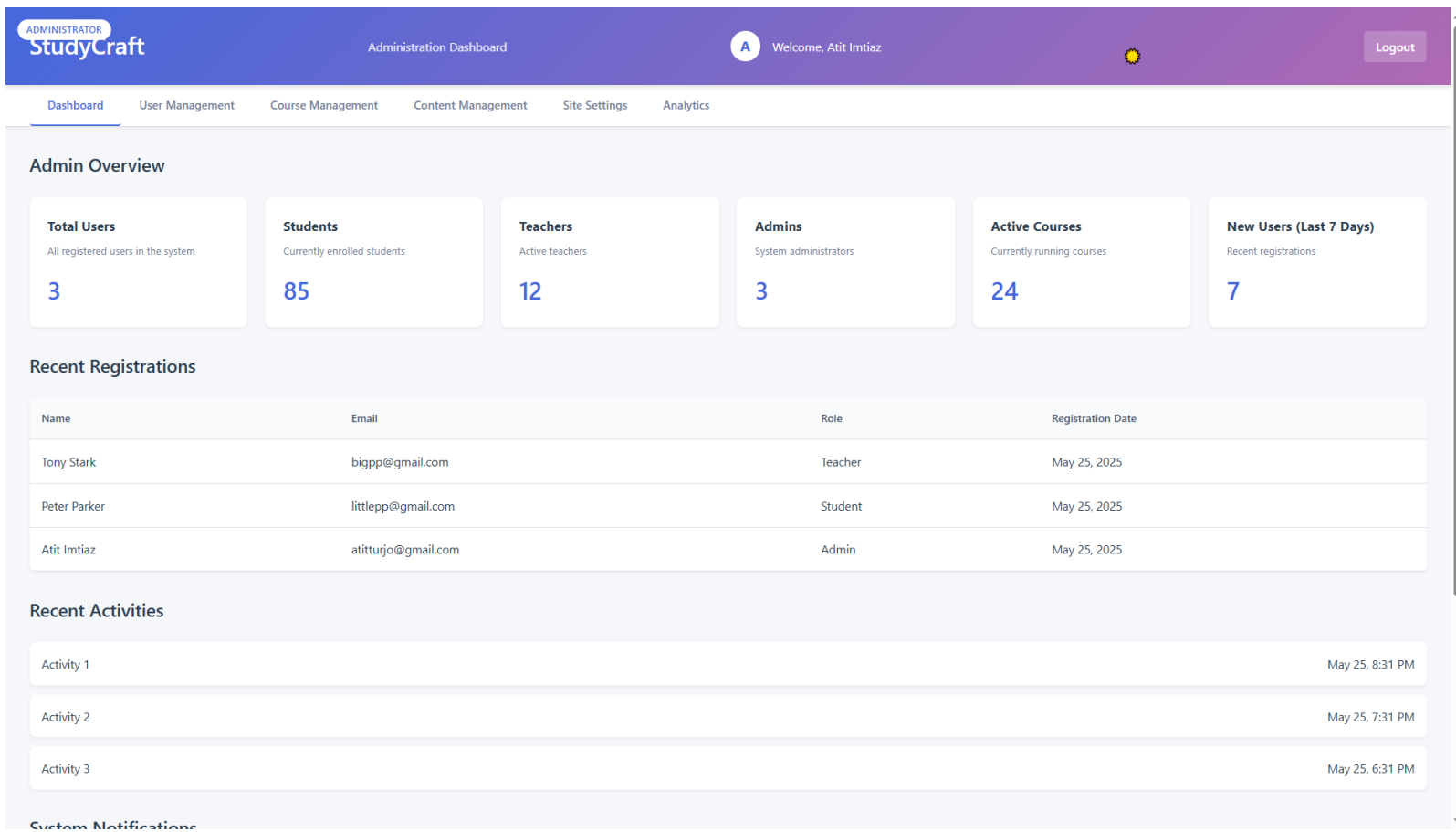
Account Type

Account Type

☐ I agree to the [Terms of Service](#) and [Privacy Policy](#)

Create Account

ADMIN DASHBOARD



USER MANAGEMENT

COURSE MANAGEMENT

ADMINISTRATOR

StudyCraft

Administration Dashboard

A

Welcome, Atilf Imtiaz

Logout

Dashboard

User Management

Course Management

Content Management

Site Settings

Analytics

User Management

Search users by name, email, or role...

Add New User

| ID | Name | Email | Role | Registration Date | Actions |
|----|--------------|---------------------|---------|-------------------|-------------------------|
| 3 | Tony Stark | bigpp@gmail.com | Teacher | May 25, 2025 | <div>DeleteEdit</div> |
| 2 | Peter Parker | littlepp@gmail.com | Student | May 25, 2025 | <div>DeleteEdit</div> |
| 1 | Atilf Imtiaz | atilturjo@gmail.com | Admin | May 25, 2025 | <div>Current User</div> |

© 2025 StudyCraft Learning Management System

Version 2.5.0

ADMINISTRATOR

StudyCraft

Administration Dashboard

A

Welcome, Atilf Imtiaz

Logout

Dashboard

User Management

Course Management

Content Management

Site Settings

Analytics

Course Management

Search courses...

Add New Course

Course Title 1

50 students

EditDelete

Course Title 2

39 students

EditDelete

Course Title 3

44 students

EditDelete

Course Title 4

24 students

EditDelete

Course Title 5

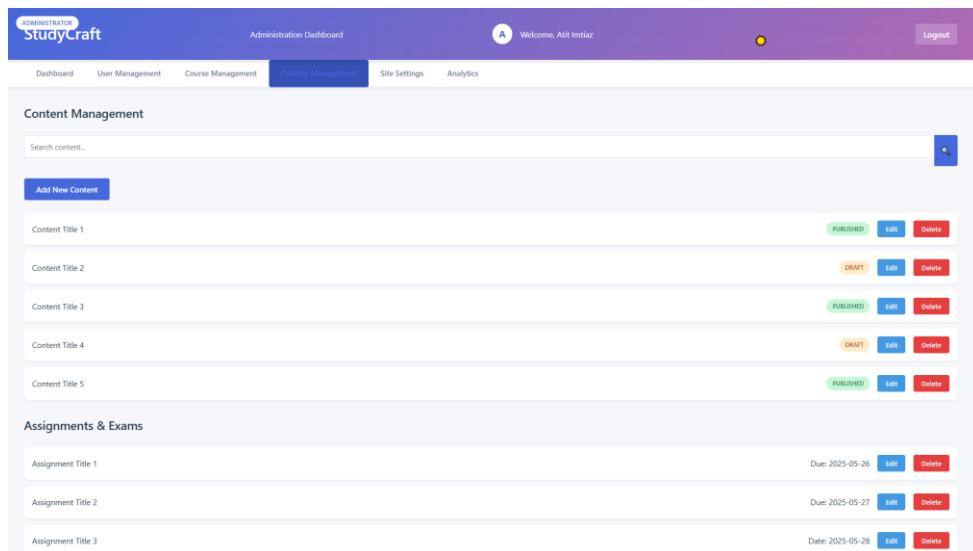
40 students

EditDelete

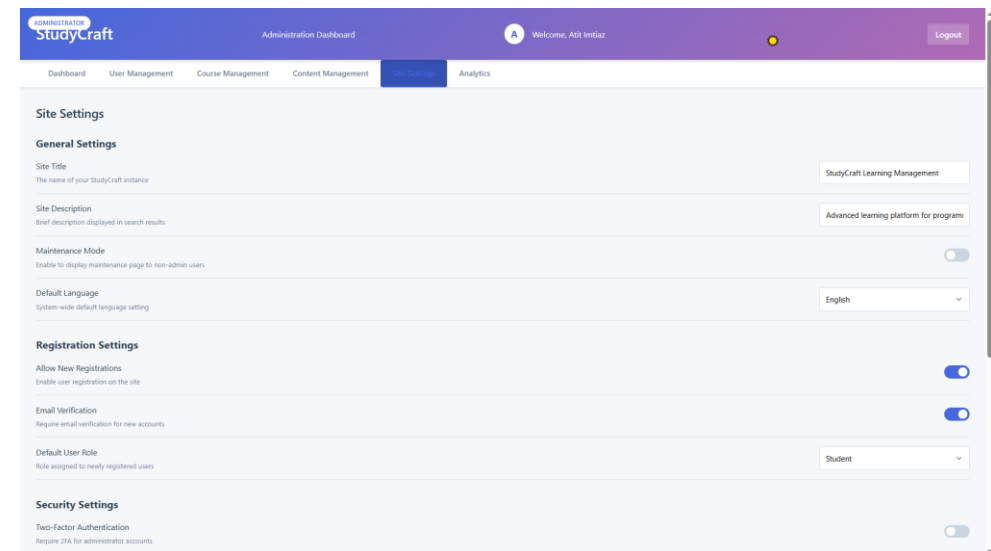
© 2025 StudyCraft Learning Management System

Version 2.5.0

CONTENT MANAGEMENT



SITE SETTINGS



STUDENT DASHBOARD

Student

StudyCraft

Student Portal

P

Welcome, Peter Parker

Logout

Dashboard

My Courses

Assignments

Grades

Calendar

Profile

Store

Student Dashboard

Enrolled Courses

Active courses this semester

4

Pending Assignments

Due within the next week

3

Attendance Rate

Overall attendance percentage

95%

Course Progress

Average completion across all courses

68%

Discussion Posts

Your contributions this semester

12

Upcoming Deadlines

| Assignment | Course | Due Date | Status |
|----------------|-------------------------|--------------|---------|
| Final Project | Web Development | May 10, 2025 | PENDING |
| Research Paper | Database Design | May 12, 2025 | PENDING |
| Midterm Exam | JavaScript Fundamentals | May 15, 2025 | PENDING |

Recent Announcements

Important: Final Project Guidelines

Web Development • Posted by Md. Omar Faruq • May 3, 2025

Please review the updated guidelines for the final project. I've added some clarifications about the required responsive design features.

[Read more](#)

Reminder: Database Design Lab

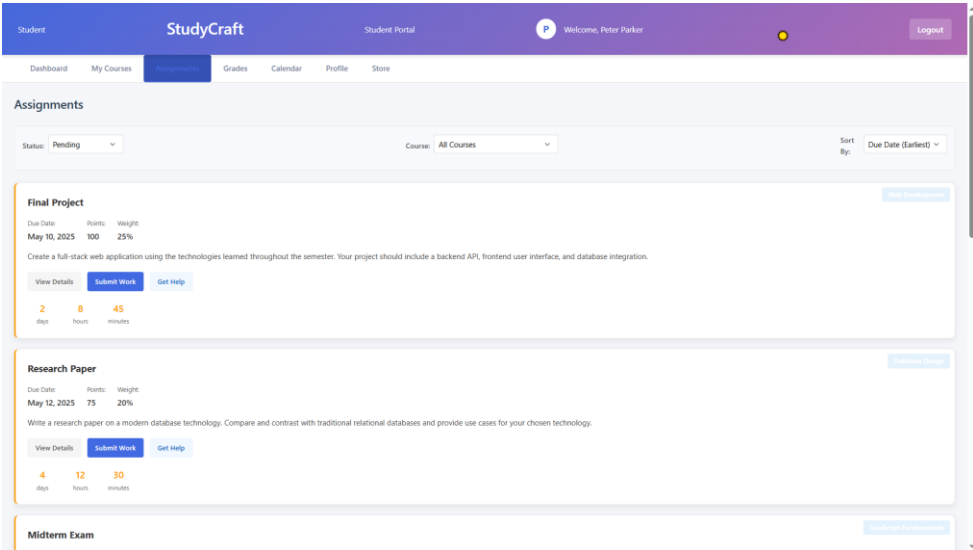
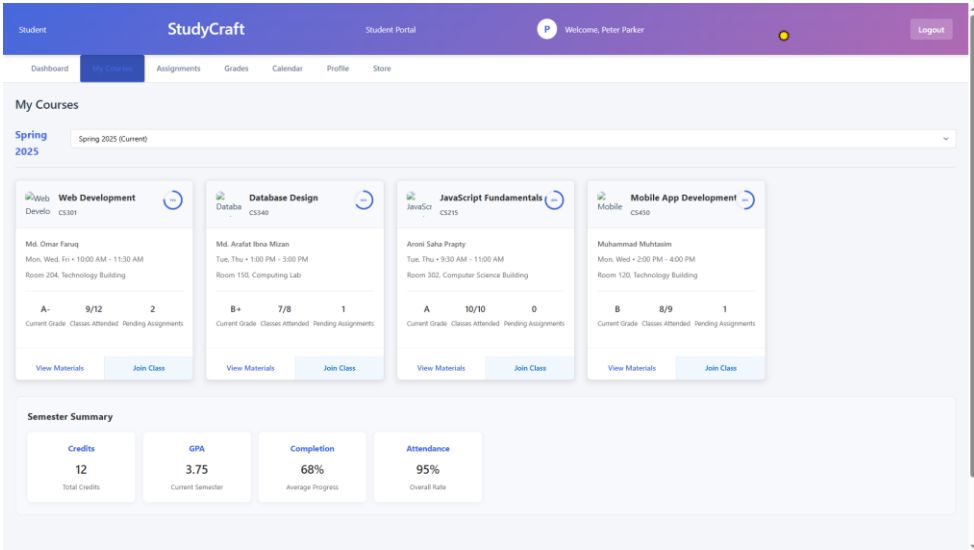
Database Design • Posted by Md. Arafat Ibna Mizan • May 2, 2025

Remember to bring your SQL cheat sheets to tomorrow's lab session. We'll be working on complex join operations.

[Read more](#)

MY COURSE

ASSIGNMENTS



GRADES

STORE

Student

StudyCraft

Student Portal

Welcome, Peter Parker

Logout

DashboardMy CoursesAssignmentsGradesCalendarProfileStore

Academic Performance

CourseWeb Development

Total Classes
21 / 28
Good

Total Assignments
4 / 12
Need Improvement

GPA Trend

Personal Score
67 / 100
Average

Ranking
Top 15%
Class of 2026

Course Grades

| Course | Instructor | Assignments | Avg Grade |
|-------------------------|------------------------|-------------|-----------|
| Web Development | Md. Omar Faruq | 90% | A- |
| Database Design | Md. Arafat Ibrah Mizan | 86% | B+ |
| JavaScript Fundamentals | Aroni Saha Prapty | 94% | A |

Student

StudyCraft

Student Portal

Welcome, Peter Parker

Logout

DashboardMy CoursesAssignmentsGradesCalendarProfileStore

Course Store

Search courses...

Search

All CategoriesSort By

Advanced JavaScript
Md. Arafat Ibrah Mizan
★★★★★ 4.9 (128 reviews)
Master advanced JavaScript concepts including
discusses, prototypes, async programming, and
more.
12 weeks
Advanced
BDT 7000
Add to Cart

React & Redux Masterclass
Aroni Saha Prapty
★★★★★ 4.7 (85 reviews)
Build modern web applications with React, Redux,
and the latest frontend technologies.
10 weeks
Intermediate
BDT 6000
Add to Cart

Database Architecture
Md. Omar Faruq
★★★★★ 4.3 (112 reviews)
Learn database design principles, SQL,
optimization, and data modeling techniques.
8 weeks
All Levels
BDT 4500
Add to Cart

UI/UX Design Fundamentals
Sohag Sarkar Sakhat
★★★★★ 4.8 (156 reviews)
Learn the principles of user-centered design and
create intuitive, engaging user experiences.
6 weeks
Beginner
BDT 5000 BDT 4000
Add to Cart

< Previous12345Next >

Your Cart

Your cart is empty.

TEACHER DASHBOARD

TeacherStudyCraftFaculty Portal

TWelcome, Prof. StarkLogout

DashboardMy CoursesStudentsAssignmentsGradesCalendarProfileAnalytics

Dashboard Overview

Welcome back, Prof. Stark! Here's what's happening in your classes today.

5ACTIVE COURSES

124TOTAL STUDENTS

8PENDING ASSIGNMENTS

3DUE THIS WEEK

Recent Activity

[View All](#)

- 15 students submitted "Database Design Project" 2 hours ago
- Sarah Chen posted a question in CS101 forum 4 hours ago
- Graded 22 assignments for "Web Development Basics" 1 day ago
- Posted announcement about midterm schedule 2 days ago

Today's Schedule

May 25, 2025

| | |
|----------|---|
| 9:00 AM | CS101 - Introduction to Programming Room: Tech Lab 201 • 45 students |
| 11:30 AM | CS201 - Data Structures Room: Tech Lab 305 • 32 students |
| 2:00 PM | Office Hours Room: Faculty Office 412 |
| 4:00 PM | CS301 - Database Systems Room: Tech Lab 201 • 28 students |

Quick Actions

+ Create Assignment

Grade Submissions

Post Announcement

Schedule Meeting

Need Your Attention

Database Project - CS301
12 submissions pending review
Due: 2 days ago

Review

MY COURSES

STUDENT ROSTER

TeacherStudyCraft

Welcome, Prof. Stark

Logout

DashboardStudentsAssignmentsGradesCalendarProfileAnalytics

My Courses

Add New Course

Operating System

Covers core concepts of operating systems including processes, memory management, file systems, and scheduling algorithms.

Students: 45 | Assignments: 12 | Next Deadline: June 8, 2025

Go to Course

Numerical Analysis

Introduction to numerical methods for solving mathematical problems, including interpolation, integration, and differential equations.

Students: 32 | Assignments: 8 | Next Deadline: June 8, 2025

Go to Course

Software Designing

Focuses on principles of software architecture, design patterns, and methodologies for building scalable software systems.

Students: 28 | Assignments: 10 | Next Deadline: June 10, 2025

Go to Course

Digital Image Processing

Covers techniques for processing and analyzing digital images including filtering, segmentation, and image transformation.

Students: 18 | Assignments: 7 | Next Deadline: June 10, 2025

Go to Course

Web Programming

Covers front-end and back-end web development, including HTML, CSS, JavaScript, server-side scripting, and databases.

Students: 25 | Assignments: 6 | Next Deadline: June 10, 2025

Go to Course

TeacherStudyCraft

Welcome, Prof. Stark

Logout

DashboardMy CoursesStudentsAssignmentsGradesCalendarProfileAnalytics

Student Roster

Search students...

| ID | NAME | EMAIL | ENROLLED COURSES | OVERALL GRADE | LAST LOGIN | ACTIONS |
|------|-----------------------|--------------------|--|---------------|--------------|------------------------------|
| S001 | Ali ibn Abi Imran | akib1998@gmail.com | Operating System, Numerical Analysis | 89% (B+) | May 25, 2025 | View Details |
| S002 | Shahria Siddiq Durrin | durrin01@gmail.com | Web Programming, Software Designing | 92% (A-) | May 24, 2025 | View Details |
| S003 | Shadman Shad Ullah | uttam11@gmail.com | Numerical Analysis | 85% (B) | May 25, 2025 | View Details |
| S004 | Akt Iniaz | akt15@gmail.com | Digital Image Processing, Operating System | 91% (A-) | May 23, 2025 | View Details |
| S005 | Mehadi Hasan | mehadi11@gmail.com | Web Programming | 82% (B-) | May 25, 2025 | View Details |

PreviousPage 1 of 5Next

ASSIGNMENT OVERVIEW

The screenshot shows the 'Assignments Overview' page in the StudyCraft interface. The page has a purple header with the StudyCraft logo and a navigation bar with links: Dashboard, My Courses, Students, Grades, Calendar, Profile, and Analytics. The 'Grades' tab is active. Below the header, there's a 'Create New Assignment' button. Two filters are present: 'Filter by Course' and 'Filter by Status'. The main content area displays four assignment cards: 'Operating System' (Type: Homework, Due: June 8, 2025, Submissions: 20/45, Graded: 10/35), 'Numerical Analysis' (Type: Essay, Due: June 8, 2025, Submissions: 22/32, Graded: 5/22), 'Software Designing' (Type: Lab Report, Due: June 12, 2025, Submissions: 13/28, Graded: 0/13), and 'Digital Image Processing' (Type: Project, Due: June 15, 2025, Submissions: 10/19, Graded: 0/10). Each card has 'View Submissions' and 'Edit' buttons.

GRADEBOOK

The screenshot shows the 'Gradebook' page in the StudyCraft interface. The page has a purple header with the StudyCraft logo and a navigation bar with links: Dashboard, My Courses, Students, Assignments, Grades, Calendar, Profile, and Analytics. The 'Grades' tab is active. Below the header, there's a search bar labeled 'Search by student or assig'. The main content area displays a table with the following data:

| STUDENT | ASSIGNMENT | SUBMISSION DATE | STATUS | GRADE | ACTIONS |
|-----------------------|--------------------------|-----------------|---------------|-------|----------------------------|
| Akib Al Imran | Web Programming | June 4, 2025 | Graded | 88% | Edit Grade |
| Shahria Siddiq Durtov | Digital Image Processing | June 7, 2025 | Pending | — | Grade Now |
| Shadman Shad Uttaw | Software Designing | June 11, 2025 | Graded | 85% | Edit Grade |
| Atif Imtiaz | Web Project Book | June 14, 2025 | Pending | — | Grade Now |
| AlMehadi Hasan | Numerical Analysis | May 26, 2025 | Graded | 95% | Edit Grade |
| Mirgul Nahim | Operating System | June 2, 2025 | Late / Graded | 70% | Edit Grade |

At the bottom right of the table, there is an 'Export Grades (CSV)' button.

CALENDER

PROFILE

Teacher

StudyCraft

Admin Tools

Welcome, Prof. Stark

Logout

Dashboard

My Courses

Students

Assignments

Grades

Calendar

Profile

Analytics

Academic Calendar

MonthWeekDay

June 2025

< PrevNext >

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|----------------------|-----|-------------------|-----|---------------------|---------------------|----------------|
| 1 Staff Meeting | 2 | 3 MATH101 Quiz | 4 | 5 Alg. Hw Due | 6 | 7 P-T Conf. |
| 8 Hist. Essay Due | 9 | 10 | 11 | 12 Phys. Lab Due | 13 Dept. Meeting | 14 |
| ... | | | | | | |

Upcoming Events & Deadlines

Add Event

June 1, 2025 (10:00 AM)

Staff Meeting - Conference Room A

June 3, 2025

MATH101 Quiz 2 Due

June 5, 2025

MATH101 - Algebra Homework 3 Due

June 7, 2025 (All Day)

Parent-Teacher Conference Day

June 8, 2025

HIST202 - Essay The Silk Road Due

June 10, 2025

PHYS301 - Lab Report: Projectile Motion Due

Teacher

StudyCraft

Admin Tools

Welcome, Prof. Stark

Logout

Dashboard

My Courses

Students

Assignments

Grades

Calendar

Profile

Analytics

Your Profile

Edit Profile

Profile

Tony Stark

Education Department

Full Name:

Tony Stark

Email:

biggs@gmail.com

Phone:

(123) 456-7890

Office:

Room 204

Department:

Education Department

Joined:

August 15, 2018

Specialization:

Curriculum Development, Educational Technology

Bio:

Dedicated and passionate educator with over 10 years of experience in fostering student growth and academic excellence. Committed to creating an inclusive and stimulating learning environment.

Office Hours:

Mon, Wed 2:00 PM - 4:00 PM

Settings

Change Password:

Update Password

Notification Preferences:

Manage Notifications

Obstacles and Solutions



StudyCraft

Real-Time Data Synchronization

Utilized Firebase Realtime Database and Xampp for seamless real-time updates across multiple devices.

User Authentication

Implemented Xampp with robust password protection and ID verification to safeguard user data.

UI/UX Challenges

Designed an intuitive and user-friendly interface through iterative testing.

Handling Concurrent Requests

Integrated scalable cloud solutions and optimized backend queries to manage high traffic and simultaneous data access

Future Enhancements



IoT Integration

Leveraging IoT devices to monitor and manage more resources , contributing to energy efficiency and effective resource utilization.



Analytics and Reporting

Providing data-driven insights for better decision-making.



Automated Attendance Verification

Integrating biometric or facial recognition technology to improve security and accuracy.



Meal Customization

Allowing students to customize course preferences and providing real time information for better automation

Meet the Team



Atit Imtiaz

ID: 0812120205101048



Merajul Nahim

ID: 0812210205101009



Mehadi Hasan

ID: 0812210205101027



THANK YOU