

UI Flowcharts

A UI flowchart used to describe the logical relationship between pages. It is a picture of the separate steps of a process in sequential order.

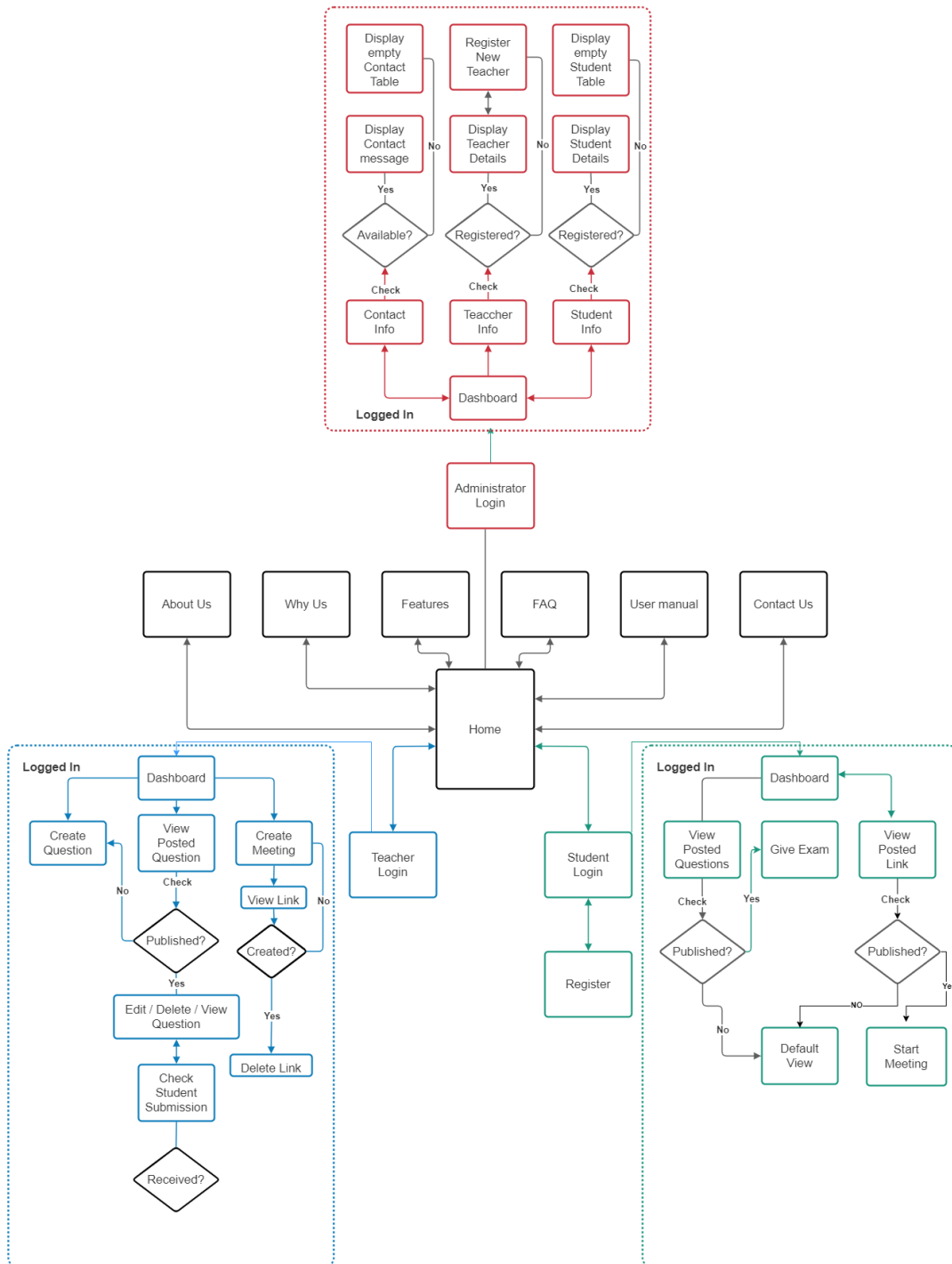


Figure 8: UI Flowcharts of Lu Exam Hive

UI Design

User interface (UI) design is the process designers use to build interfaces in software or computerized devices, focusing on looks or style. Designers aim to create interfaces which users find easy to use and pleasurable.

Graphical user interfaces (GUIs)—Users interact with visual representations on digital control panels. A computer's desktop is a GUI.

Home View (Users)

Home View has links to most of the key pages of the website and also is the place where messages are conveyed to the users i.e. reasons to use the website, selecting their avatar, tips & life hacks for the students & to whom is this site made for.

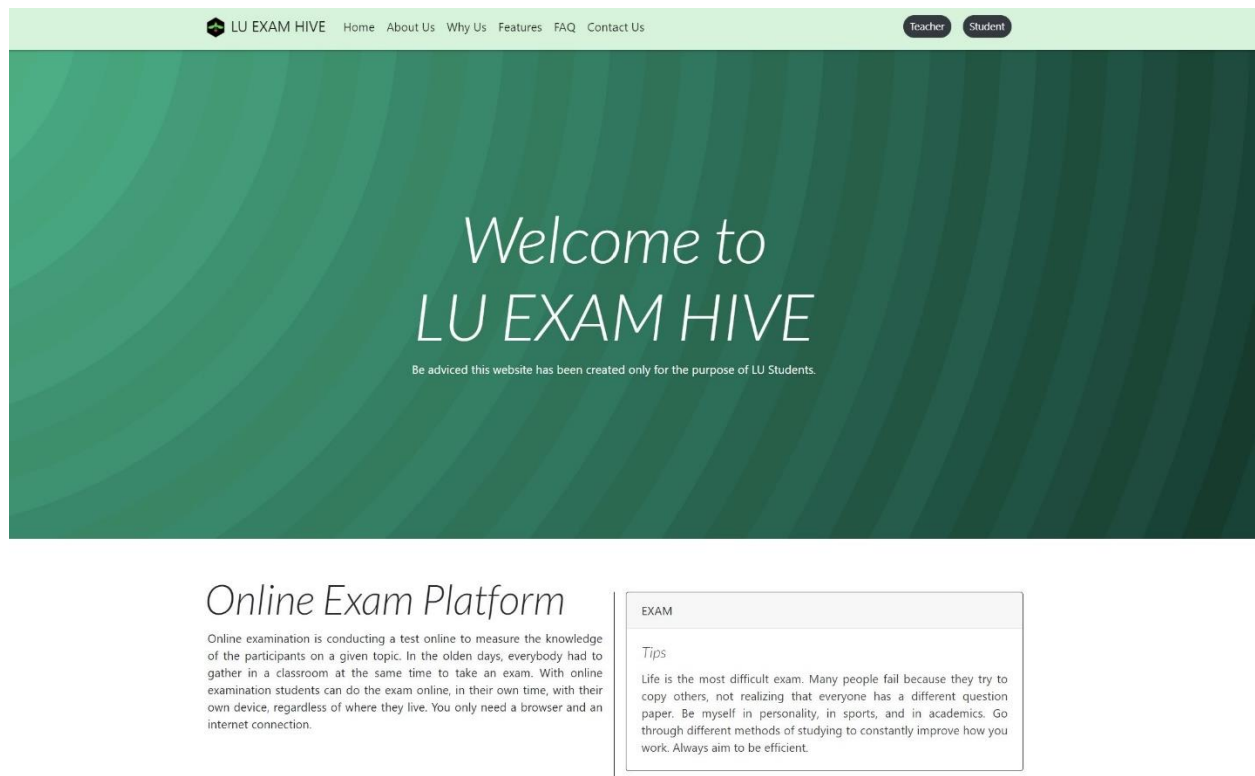


Figure 9: Home View of Lu Exam Hive

About Us (Users)

A short Video of the website mainly showing students how to use the platform.

About Us



Success consists of going from failure to failure without loss of enthusiasm.

— Winston Churchill

Note: LEH is a project conducted by a team of 3 people from 44th Batch Leading University, Sylhet.

Figure 10: About Us of Lu Exam Hive

Why Exam Hive? (Users)

Key reasons are stated in this section for the users to get onto Lu Exam Hive.

Why Exam Hive?



Stay Safe

Stay Home, Stay Safe. During Covid-19 students are advised to remain within the safety of their house premises. Give any of your remaining exams via Lu Exam Hive.



Always Present

Regardless of you or your lecturer missing out on an exam day, remain tension free & contact your teacher to execute exam on Lu Exam Hive.



Video Conferencing

Yes now your favorite video communication mediums (Google meet & Zoom) are integrated with Lu Exam Hive.

Figure 11: Why Exam Hive? of Lu Exam Hive

Features (Users)

Attractive features of the website are stated in this section to draw attention of the users.

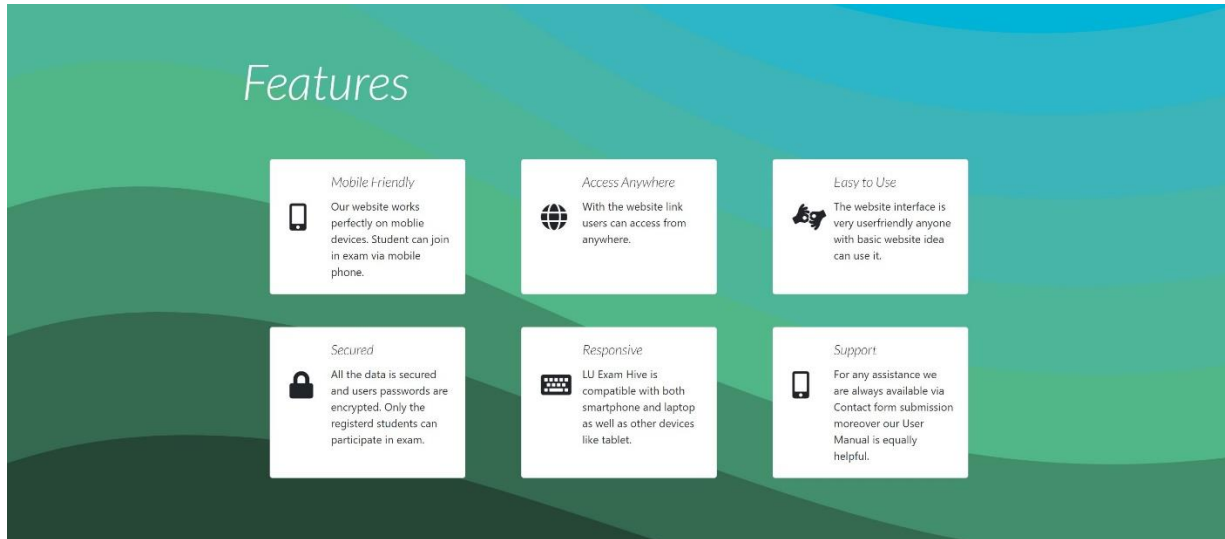


Figure 12: Features of Lu Exam Hive

FAQ (Users)

Quick response to curious & common questions of Users are placed in this section.

FAQ

Q. Who is LU Exam Hive for?

Q. How can a new teacher register?

Q. What should I do if I forgot my password? (Student)

Can't remember your password? Don't worry. If you have an existing account you can change your password any time. Click the link below if you forgot your password. 😊

Link: [Forgot my password.](#)


Q. What to do if I am unable to register with my Student ID and Email?

Q. What should I do if I want to delete my LU Exam Hive Account? (Student & Teacher)

Figure 13: FAQ of Lu Exam Hive

Contact Us (Users)


Users can reach out to us with their query regarding any problem related to the website using Contact Us form which is present in almost every page via link.

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Contact Us




Contact us for any help. Please state your inquiry clearly!

Submit

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Figure 14: Contact Us of Lu Exam Hive

Login (Teacher)


Lu Exam Hive designs UI of Teachers login uniquely which is simple, easy to understand and smooth to use. New teacher will have to reach out to the administrator via contact us form following the procedure provided in the FAQ section to get registered to the site.

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We'll never share your email with anyone else.


Login 

Teacher Login

User passwords are encrypted.




New user?[Reach us to get started](#)

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Figure 15: Teacher Login of Lu Exam Hive


Login (Student)


Lu Exam Hive understands that all students of a university are not familiar with complex UI thus keeping the accessibility aspect of every student in mind the login interface is designed to be simple, clear and easy to understand.

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We'll never share your email with anyone else.

Register 

Login 


[Forgot Your Password?](#)



Student Login




User passwords are encrypted.

[New user?Get started with LU Exam Hive](#)

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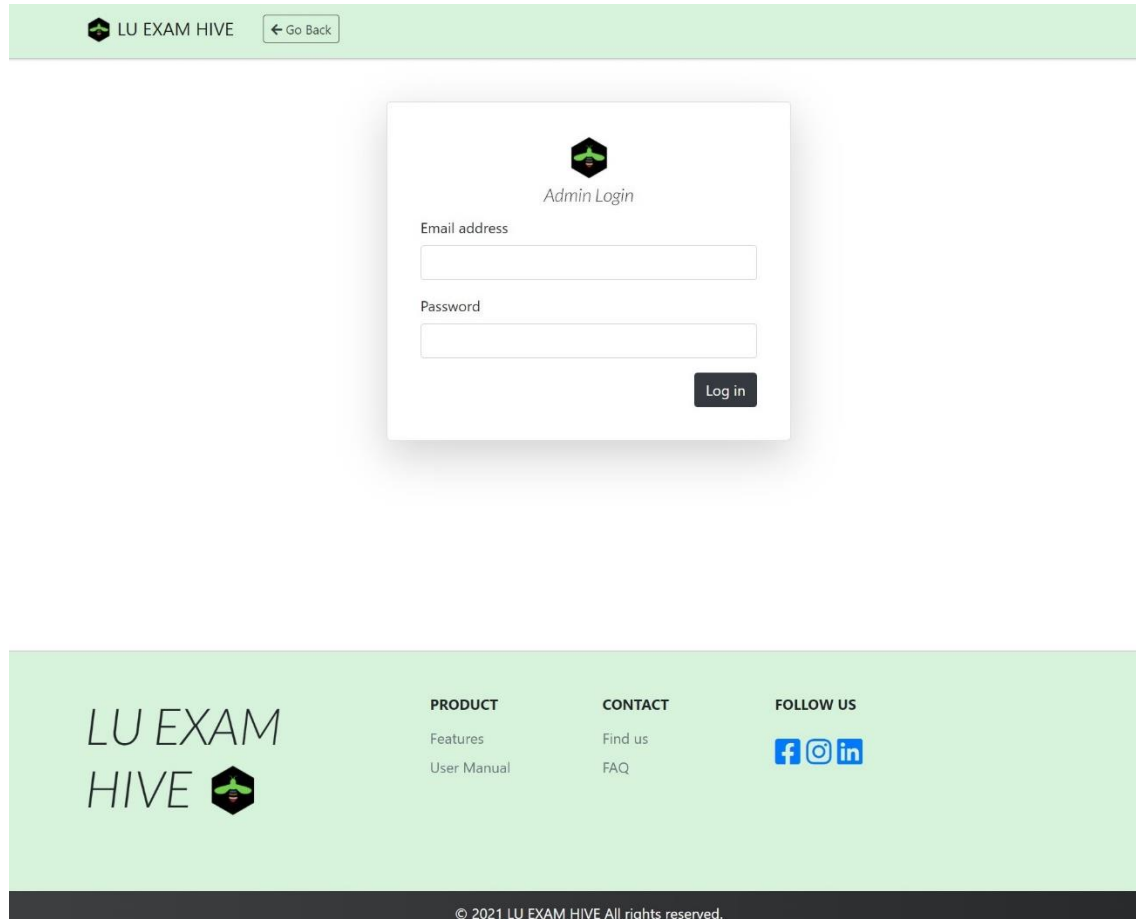
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Figure 16: Student Login of Lu Exam Hive

Login (Admin)

Admin login has to be approached via URL using (/admin_login.php) after the site name.




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Admin Login

Email address

Password

[Log in](#)

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Figure 17: Admin Login of Lu Exam Hive

Registration (Student)

Students of the University will be requested to fill in this form in order to further navigate the pages of LU Exam Hive. After registration an OTP will be sent to user email address for verification.

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Student Registration

New Students may register using the form below. Already registered? [Log in](#) instead.

First Name

Last Name

Student Id

Email

Password

Batch

Section

Submit

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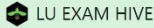
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Figure 18: Student Registration Form of Lu Exam Hive

Forgot Password (Student)

We often do forget our passwords thus not to worry, Lu Exam Hive has u covered.

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Forgot Password?

Request for a reset password link.

Email




Send reset link via email

Note: If your email doesn't exist in our database, the data you will provide will not affect our database.



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Figure 19: Forgot Password of Lu Exam Hive

Dashboard (Teacher)

Keeping in mind that not all teachers are familiar to complex UI of a dashboard of online exam platforms, thus we designed easy to understand dashboard for easy navigation. Creating Meeting Links, Questions, Edit questions, deleting them Posting or keeping a Draft of Question for later post, seeing self-posted questions, viewing own questions, checking submitted solutions from students, marking them and then generating a pdf of the result sheet. Yes we have it all under one platform.

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Logout

MHB Dashboard.

Create Question

Get Meeting Link

Posted Questions

Meeting Links

Fundamentals of Software MHB

Delete

Hardware Essentials MHB

Delete

Course Name	Batch	Course Code	Status	Modify
Computer Programming	44 (C)	CSE-1213	Done	Edit / Delete
Computer security and Cryptography	44 (B)	CSE-4315	Posted	Edit / Delete
Software Engineering	44 (C)	CSE-3319	Draft	Edit / Delete

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Figure 20: Teacher Dashboard of Lu Exam Hive

Create Question (Teacher)

In this area teachers will fill in the details of a section whose exam or assignment is to be conducted. It is to be kept in mind that Summernote is integrated to the Question making section of the website. (Summernote is a JavaScript library that helps you create WYSIWYG editors online. Summernote is built on jQuery.) Thus Teachers can attach any pictures easily to the questions and do much more.

Create Question

Fill all the fields below to create a Question Paper !!

Course Code:

Course Name:





Batch:

Section:











Title:

Action:

Question Paper



Segoe UI



#All question with proper spacing must go here. (You can stretch bottom to increase paper length.)

Submit

Figure 21: Create Question of Lu Exam Hive

Create Meeting (Teacher)

Lu Exam Hive integrates the 2 most popular meeting apps Google meet and Zoom into the website so teachers have all the necessities sorted in under one platform. Teachers on clicking any of 2 meeting buttons will be taken to the following sites to schedule a date for meeting and the link obtained will be copied by the teachers and pasted into our Meeting Link input field. On save teachers will get their meeting links organized in their dashboard.

Create Meeting

Fill the fields below to create question !!!

Course Code:


Course Name:

Batch:


Section:

Title:

Meeting Link:

Get Meet Link 

⇌

Get Zoom Link 

Save

Figure 22: Create Meeting of Lu Exam Hive

Edit Question (Teacher)

Here teachers will be able to edit their questions after making them. If teachers didn't choose any Action before or kept it to be Draft or Post and want to change it to something else can be performed here.

Edit Question

Fill the fields below to create question !!!

Course Code:

Course Name:

Batch:

Section:

Title:

Action:

Question Paper

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?

ASSIGNMENT on Symmetric Ciphers

1. Using [Vignere](#) Cipher Encrypt the word "YOUR FULL NAME" using key "END" (Assume that you are not given any [Vignere](#) table). You must Show Decryption Process also.
2. Suppose you are given a key "[HOSSAIN](#)". Now encrypt the word "YOUR FULL NAME" using [Playfair](#) Cipher algorithm.
3. Encrypt the message "MEET ME" using the hill Cipher where key is "QUICKNESS". You must Show Decryption Process also
4. Write Differences between following [Cyphers](#):

Hill Cipher	Playfair Cipher
Polyalphabetic Substitution Cipher	Polygram Substitution Cipher

Save

Figure 23: Edit Question of Lu Exam Hive

Question View (Teacher)

Teachers after making a question can view how it will appear on screen for students in this section and can also check the solutions submitted by students by clicking the submissions and result button.

Question Information

Submissions and results

Question Layout

Leading University
Department of CSE
Final Term Examination, Fall-2021
Course Title: Software Engineering
Course Code: CSE-3319
Batch: 44. Section: C


Leading University, Sylhet
Department of Computer Science & Engineering
Final Term Examination, Fall-2019

Course Title: Software Engineering		Course Code: CSE - 3319
Full Marks: 40		Time: 2:00Hours
Answer any 4 (4x10=40) questions from the following. [Each question carries equal marks]		
1	a What are the problems of requirement practices? Mention the task of requirement engineering. b State the tasks of Requirement Management.	6 4
2	a Mention two types of requirement elicitation (information gathering) techniques and their advantages and disadvantages? b What are the activities in negotiation task of Requirement Engineering	6 4
3	a "System Y shall process a minimum of 8 transactions per second"-what type of requirement is it? What are the differences between functional and non-functional requirement. b "The system must be user friendly"-what is the problem in this requirement? How do you can rewrite this requirement correctly?	6 4
4	a In a library system Library patron can search a book and reserve it for him/her. Then he/she needs to visit Library desk and check out by himself. If he/she does not find the book then he/she can request librarian to check the book in the system. Librarian also can insert the new record of the book and generate a catalog. Based on this statement draw a use case and class diagram b Using example 4(a) draw an activity diagram for library patron.	6 4
5	a Apply GQM template for following example Improve the accuracy of software project managers' cost estimate at specification stage of a project within the X division of ABC company b Mention direct and indirect measure in terms of software engineering with example	6 4
6	a What is measurement and measure? What are the key stages of formal measurement b What is subjective and objective measure? Mention the name of different measurement scale with example.	6 4
7	a What do you understand by length of code? Mention the benefits and challenges b What are the attributes can be used to describe software size?	6 4

Figure 24: Question View of Lu Exam Hive

Posts (Teacher & Student)


This section displays the current posts of every teachers. It is visible to both teachers and students.

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Available Questions




Find the question according to your needs! Double check the course code and other necessary things before proceeding further

Title	Course Code	Course Title	Batch (Sec)	Posted by
ASSIGNMENT on Symmetric Ciphers	CSE-4315	Computer security and Cryptography	44(B)	MHB
Final Term Examination, Fall-2021	CSE-3319	Software Engineering	44(C)	MHB



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Figure 25: Posts of Lu Exam Hive

Submissions (Teacher)

All submitted solutions from students will appear here.


Submissions				
Answer submissions for CSE-1213 Computer Programming Batch: 44(C) by MHB				
Generate Result in PDF Format 				
Total Number of Submissions: 3				
Student Id	Name	Batch (Sec)	Submission Time	Score
1712020101	Mohammed Zaman	44(C)	2021-03-04 22:42:00	5
1712020113	Towfiq Ahmed	44(C)	2021-03-04 22:42:08	1
1712020127	Mohi Uddin Pabel	44(C)	2021-03-04 22:42:18	4

Figure 26: Submissions of Lu Exam Hive

PDF Generate (Teacher)

Teachers will be able to generate pdf of marks given to student submissions.




generate_result.php				
1 / 1 77%  				
				
LU Exam Hive Result Sheet MCQ on Programming Language Course Title: Computer Programming Course Code: CSE-1213				
Student ID	Name	Batch(Sec)	Course Code	Score
1712020101	Mohammed Zaman	44(C)	CSE-1213	5
1712020127	Mohi Uddin Pabel	44(C)	CSE-1213	4
1712020113	Towfiq Ahmed	44(C)	CSE-1213	1
Page 1/1				

Figure 27: PDF Generate of Lu Exam Hive

Submission Details (Teacher)

Teachers will be able to check solutions of students keeping questions in front of them and provide them a score.

Submission Details

Individual student submission details.

ASSIGNMENT on Symmetric Ciphers **Course Code:** CSE-4315 **Course Title:** Computer security and Cryptography

Name: Tawsif Ahmed **Student ID:** 1712020128 **Batch (Sec):** 44(B)

[See The Question](#)

ASSIGNMENT on Symmetric Ciphers

1. Using Vignere Cipher Encrypt the word "YOUR FULL NAME" using key "END" (Assume that you are not given any Vignere table). You must Show Decryption Process also.
2. Suppose you are given a key "HOSSAIN". Now encrypt the word "YOUR FULL NAME" using Playfair Cipher algorithm.
3. Encrypt the message "MEET ME" using the hill Cipher where key is "QUICKNESS". You must Show Decryption Process also
4. Write Differences between following Cyphers:

Hill Cipher	Playfair Cipher
Polyalphabetic Substitution Cipher	Polygram Substitution Cipher

Answer:

Ans No 1

Vignere Cipher is a method of encrypting alphabetic text. It uses a simple form of polyalphabetic Substitution.

Give a Score or Update Current Score:



0

[Save](#)

Figure 28: Submission Details of Lu Exam Hive

Dashboard (Student)



We simplified students dashboard keeping in mind not all students are used to complexity of online exam platforms. The table here generates only exams and meetings that is taking place within his/her section only and in case if a student wants to give exam with some other section can easily move to All Posted Questions where Exam details of all sections are present.


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Dashboard


Select a question from the table below and start the exam. Double check the course code and other necessary things before proceeding further.

Title	Course Code	Course Title	Batch (Sec)	Posted by
ASSIGNMENT on Symmetric Ciphers	CSE-4315	Computer security and Cryptography	44(B)	EBH

Meeting Links  All Posted Questions 

Viva on Discrete Math  RMS

Cannot find your question? Click the 'All Posted Question' on top to see a list of questions posted by all teachers.



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Figure 29: Student Dashboard of Lu Exam Hive

Answer Script (Student)

Students will answer in this section. They will have to attach their details before writing anything on the answer script. There is a digital clock integrated so they can keep track of their time.

Figure 30: Answer Script of Lu Exam Hive

Dashboard (Admin)

Designed with simplicity in mind. Admin has access to all the details of user in the platform and contacting users.

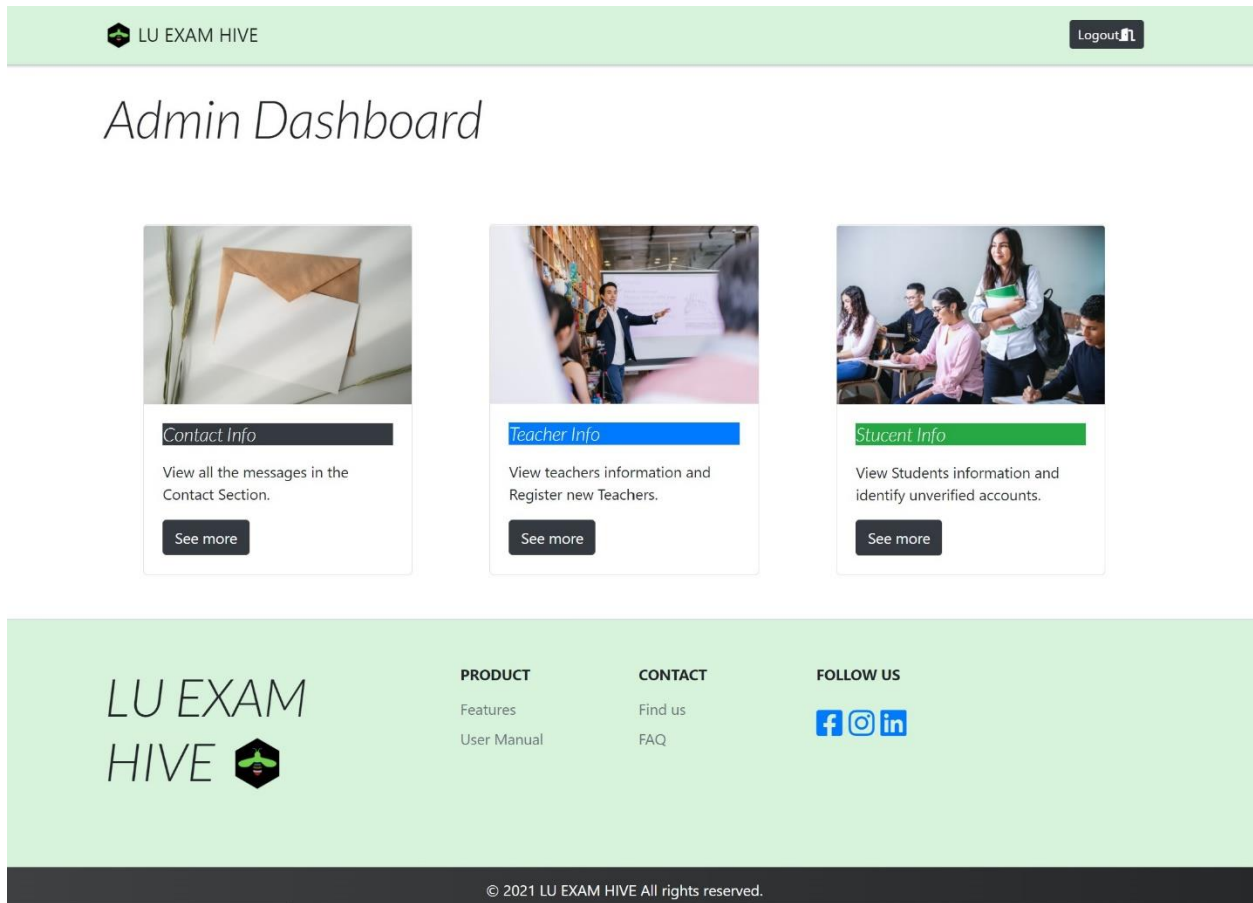



Figure 31: Admin Dashboard of Lu Exam Hive


Contact Info (Admin)

Here admins will have information of all the users contacting the website.

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Contact Info

ID	Name	Email	Received At	Action
2	Joseph Ahmed	csev@umich.edu	2021-03-04 22:00:23	✎ / ✕
3	Raihan Chowdhury	raihan200@yahoo.com	2021-03-04 22:03:19	✎ / ✕
4	Kamal Mia	kamal@yahoo.com	2021-03-04 22:04:09	✎ / ✕



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Figure 32: Contact Info of Lu Exam Hive

Contact Info Delete (Admin)

Admin can view the message of the contact and also delete it.

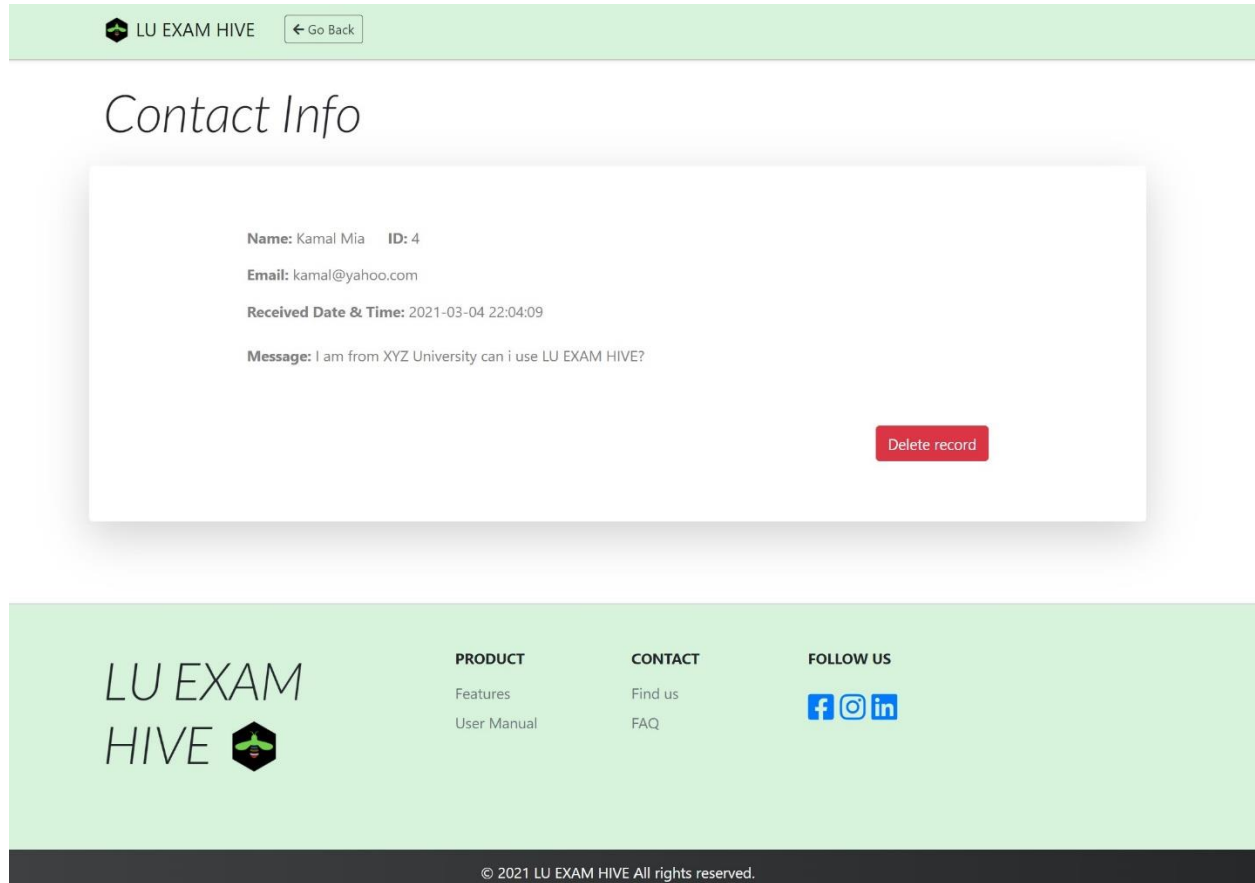




Figure 33: Contact Info Delete of Lu Exam Hive

Teacher Info (Admin)


Admin can view the teachers registered to the platform here and also go onto add new Teachers to the site.

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Teacher Info

Insert New Data 

ID	Name	Email	Registration Datetime	Action
14301	RMS	head_eee@lus.ac.bd	2021-03-04 21:40:26	More Info
18568	MHB	minhazulriad@yahoo.com	2021-03-04 22:27:20	More Info



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Figure 34: Teacher info of Lu Exam Hive

Insert Teacher Info (Admin)

Admin will be able to add new teacher by filling up the following.

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Insert Teacher Info

Name

Teacher ID

Department

Email

Password

Insert Into Database

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Figure 35: Insert Teacher Info of Lu Exam Hive

Student Info (Admin)

Admin will get a batch wise student details (includes number of student present in each batch) and also search for a specific student id and acquire all information easily.


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Student Info

[See Unverified Students List](#) [Search](#)

1712020101 - Mohammed Zaman ([More details](#))

Sort Student List by Batch	
Batch: 44	Total Number of Registerd Student: 4
Batch: 45	Total Number of Registerd Student: 1
Batch: 50	Total Number of Registerd Student: 1
Batch: 52	Total Number of Registerd Student: 1



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Figure 36: Student Info of Lu Exam Hive

Unverified Email List (Admin)


Admin can easily detect which users are still unverified and can take actions.

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Unverified Email List

A list of students who haven't verified their email.
Students will not get access to the website until they are verified.

Student_ID	Name	Email	Batch	Status	Action
2012020001	Sabbi Ahmed	sabbi@yahoo.com	52	not verified	More info
2112020111	Rashid Chowdhury	rashid@yahoo.com	50	not verified	More info



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Figure 37: UI Flowcharts of Lu Exam Hive

Student Details (Admin)

Admin has the power to view details of a student's Lu Exam Hive account and also delete their account.

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Student Details

Name: Sabbi Ahmed

Profile ID: 8

Student ID: 2012020001

Batch: 52

Section: F

Email: sabbi@yahoo.com


Email Status: not verified

OTP: 5111211

Activation Code: q42ad5e83a349b3b675c709b9ed2958b

Registration Date & Time: 2021-03-04 22:23:27

[Delete record](#)



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[!\[\]\(1f875e8ff0db454eb302861a56ff194f_img.jpg\)](#) [!\[\]\(05604d380e755a92e3161ab249a7c58e_img.jpg\)](#) [!\[\]\(e63e8c500251dacf23596c452b949a7b_img.jpg\)](#)

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Figure 38: Student Details of Lu Exam Hive

Student Info by Batch (Admin)

Admins are given further ease to look into a particular batch and its sub sections.


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Student Info by Batch

Sort by Section




Sec: B Sec: C

Student Id	Name	Section	Batch	Email	Status	Action
1712020101	Mohammed Zaman	C	44	jgreen42@yahoo.com	verified	More info
1712020113	Towfiq Ahmed	C	44	tat@yahoo.com	verified	More info
1712020127	Mohi Uddin Pabel	C	44	pabel@yahoo.com	verified	More info
1712020128	Tawsif Ahmed	B	44	tawsif@yahoo.com	verified	More info

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Figure 39: Student Info by Batch of Lu Exam Hive

Student Info by Section (Admin)


Admin can further view individual section and the number of students registered under them and more details on them.

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Student Info by Section




Section: **C**
Total Number of Registered Students: 3

Student Id	Name	Section	Batch	Email	Status	Action
1712020101	Mohammed Zaman	C	44	jgreen42@yahoo.com	verified	More info
1712020113	Towfiq Ahmed	C	44	tat@yahoo.com	verified	More info
1712020127	Mohi Uddin Pabel	C	44	pabel@yahoo.com	verified	More info



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Figure 40: Student Info by Section of Lu Exam Hive

Lu Exam Hive (Logo)

The logo below is the Symbol of Lu Exam Hive Online Examination System. Lu Exam Hive has been created for Leading University Students Only. Leading University community has 4 distinct groups i.e. Teacher, Student, Administration and Staff. Here green resembles student, blue denote teacher, red points to the administration and the black is for the staff in transportation, and brown denotes the soil that holds all of us together in place, we all are connected to the same soil even though we have distinct roles in society. The colors are picked according to the ID card color used within our university premises. A student on his/her own can hardly succeed in life but together with proper guidance from professional teachers and well organized institution can reach the peak sooner then he/she expected. Such is the moto of the symbol below.

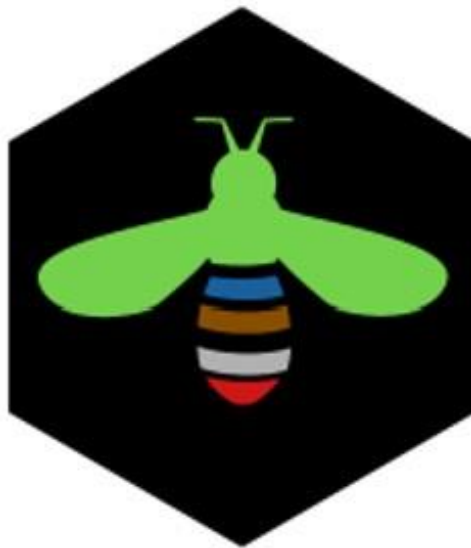


Figure 41: Lu Exam Hive Logo