

# User Manual

## Exam Drive Creation by Exam Controller

### Exam Drive Creation

The screenshot shows a web browser window titled "ExamAdmin". The address bar displays "localhost:4200/login". The main content is a "Login" form. It has two input fields: "Username \*" containing "Admin" and "Password \*" containing "\*\*\*\*". Below the form is a large green "Log In" button. At the bottom of the page, there is a message: "Login as Exam Admin to be able to create a new Exam Drive".

While login all kinds of checks are taken care of, any error as in the wrong password or no user or active user will be shown with the appropriate error message

This is the main screen of the Exam Admin

**Add Exam Drive**

Click this button to Create a new Exam drive

Enter Key for import of Marks

Import Marks

Enter Key for import of Question Papers

Import Question Papers

Search here...

Drive	Course	Status	Actions
Improvement Examination	dbms_101	NOT_STARTED	[Edit, View, Delete]
End Term Examination	dm_102	NOT_STARTED	[Edit, View, Delete]
Mid Term Examination	dbms_101	NOT_STARTED	[Edit, View, Delete]

Exam Administrator    Exam Drives    Centers    Courses    Students

### Add Exam Drive

Exam Drive Name \*

Exam Drive Code \*

Course \*

Add Drive

Click this button to Add the new Exam Drive

Once we click on the add Exam drive. It will Open up this form - Asking details of Name, Code (Unique), and the course of the Exam Drive

## Add New Center and Batches to an Exam Drive

We can see the new Exam Drive Added

Drive	Course	Status	Action
Test	dbms_101	NOT_STARTED	
Improvement Examination	dbms_101	NOT_STARTED	
End Term Examination	dm_102	NOT_STARTED	
Mid Term Examination	dbms_101	NOT_STARTED	

Click on Edit Exam Drive to be able to add centers and Batches

+ Add Exam Drive

Enter Key for import of Marks

Import Marks

Enter Key for import of Question Papers

Import Question Papers

Search here...

This is Edit Exam Drive - We can Edit exam drive name or code or Course - We can also add New Center

**Update Exam Drive**

Exam Drive Name *	<input type="text" value="Test"/>	
Exam Drive Code *	<input type="text" value="test"/>	
Status :	NOT_STARTED	
Course *	<input type="button" value="dbms_101 - DBMS"/> <span style="margin-left: 10px;">▼ Click this button to be able to add new Center in an Exam Drive</span>	
<input type="text" value="Search centers here..."/> <input type="button" value="Add Center"/>		
Center Name	Center Code	Center Capacity
< Previous   Next > Items Per Page : <input type="text" value="25"/> <input type="button" value="Update Drive"/>		

This is the Screen to add a new center in the selected exam drive

**Add Center in a Drive**

Exam Drive : Test [test] in DBMS Course

Center \*

Once we select a center and click this button, you will be able to add batches

Screenshot of the ExamAdmin application showing the 'Add Center in a Drive' page.

The URL is [localhost:4200/examdriveupdateaddcenter/4](http://localhost:4200/examdriveupdateaddcenter/4).

The page displays the following information:

- Exam Drive : Test [test] in DBMS Course
- Center : International Institute of Information Technology, Bangalore [IIITE]

A green button labeled **+ Add Batch** is highlighted with a red arrow. A tooltip above it states: "Once we have Selected the center Add Batch button activated using which you can add batches in the center, this can be used multiple times to add many batches".

Below the button are fields for **Batch Code\***, **Start Time\***, and **End Time\***. A green button labeled **Add Center** is also present.

Screenshot of the ExamAdmin application showing the 'Add Center in a Drive' page after adding a new batch.

The URL is [localhost:4200/examdriveupdateaddcenter/4](http://localhost:4200/examdriveupdateaddcenter/4).

The page displays the same information as the first screenshot, but the **+ Add Batch** button is no longer highlighted.

A new batch has been added with the following details:

- Batch Code\***: batch4
- Start Time\***: 02/12/2020, 21:00
- End Time\***: 02/12/2020, 23:00

A green button labeled **Add Center** is highlighted with a red arrow. A tooltip below it states: "Click this button to add the center to the drive". Another tooltip to the left of the batch details states: "This is the new batch that is added - You have to give the details of Batch Code, which is unique and start and end time of the batch. We can add new batches if required by clicking the same AddBatch button".

**Exam Drive Name \***

**Exam Drive Code \***

Status : NOT\_STARTED

Course \*

dbms\_101 - DBMS

Using these buttons we can view edit and delete all the batches of the center

Add Center

Center Name	Center Code	Center Capacity
International Institute of Information Technology, Bangalore	IITB	1000

This is the newly added center

Items Per Page : 25

Update Drive

## Assign Students to a Batch

Course \*

dbms\_101 - DBMS

Search centers here...

Add Center

Center Name	Center Code	Center Capacity
International Institute of Information Technology, Bangalore	IITB	1000

Add Batch

Batch Code *	Exam Start Time *	Exam End Time *
batch4	02/12/2020, 21:00	02/12/2020, 23:00

Using this we can Upload an Excel with student codes, that are to be assigned to the batch

Using these buttons we can update, upload and delete the batch

Items Per Page : 25

Update Drive

Screenshot of the ExamAdmin application interface showing the 'Exam Drive Update' section.

The page displays a table for managing exam centers:

Center Name	Center Code	Center Capacity
International Institute of Information Technology, Bangalore	IITB	1000

Below the center table, there is a section for managing exam batches:

Batch Code *	Exam Start Time *	Exam End Time *
batch4	02/12/2020, 21:00	02/12/2020, 23:00

Buttons for 'Add Center' and 'Add Batch' are visible.

A file upload input field is shown with the placeholder "Choose file StudentCodes1.xlsx". An arrow points to this field with the text: "Once we click on Upload button, it will enable us to choose a file, You have to upload excel with student roll numbers. All those students will be assigned to the batch".

Buttons for "Assign Students to Batch" and "Update Drive" are present.

Navigation and search elements include "Previous", "Next", "Items Per Page : 25", and a search bar "Search centers here...".

Screenshot of the ExamAdmin application interface showing the 'Exam Drives' section.

The page features two main input fields for importing marks and question papers:

- "Enter Key for import of Marks" with a yellow "Import Marks" button.
- "Enter Key for import of Question Papers" with a yellow "Import Question Papers" button.

A search bar "Search here..." is available at the top.

A callout box with the text "Click on View examdrive to view all the details of the exam drive" has an arrow pointing to the "View" icon in the action bar of the first row of the table.

The table lists exam drives with columns: Drive, Course, Status, and Action icons.

Drive	Course	Status	Action Icons
Test	dbms_101	NOT_STARTED	[Edit, View, Delete, Other]
Improvement Examination	dbms_101	NOT_STARTED	[Edit, View, Delete, Other]
End Term Examination	dm_102	NOT_STARTED	[Edit, View, Delete, Other]
Mid Term Examination	dbms_101	NOT_STARTED	[Edit, View, Delete, Other]

**Exam Drive Details**

Exam Drive Name: Test	This is View of Exam Drive
Exam Drive Code: test	
Status: NOT_STARTED	
Course: DBMS [dbms_101]	

Q Search centers here...

Center Name	Center Code	Center Capacity
International Institute of Information Technology, Bangalore	IIITB	1000

« Previous 1 Next »

To view all the batches of the centers

This button is to export all the exam details to the center, will be enabled once the exam papers are imported

Items Per Page : 25

**Exam Drive Details**

Exam Drive Name: Test	
Exam Drive Code: test	
Status: NOT_STARTED	
Course: DBMS [dbms_101]	

Q Search centers here...

Center Name	Center Code	Center Capacity
International Institute of Information Technology, Bangalore	IIITB	1000

Batch Code	Exam Start Time	Exam End Time	Paper Status
batch4	2020-12-02 21:00:00	2020-12-02 23:00:00	PENDING

« Previous 1 Next »

When the View of the center is clicked it will give all the batches information here

This button is clicked to view all the examinees that are assigned to the batch

This is the view of a particular batch

**Batch Details**

Batch Code: batch4  
 Batch Start Time: 2020-12-02 21:00:00  
 Batch End Time: 2020-12-02 23:00:00  
 Examdrive: Test.aspx  
 Center: International Institute of Information Technology, Bangalore  
 Question Paper Status: PENDING

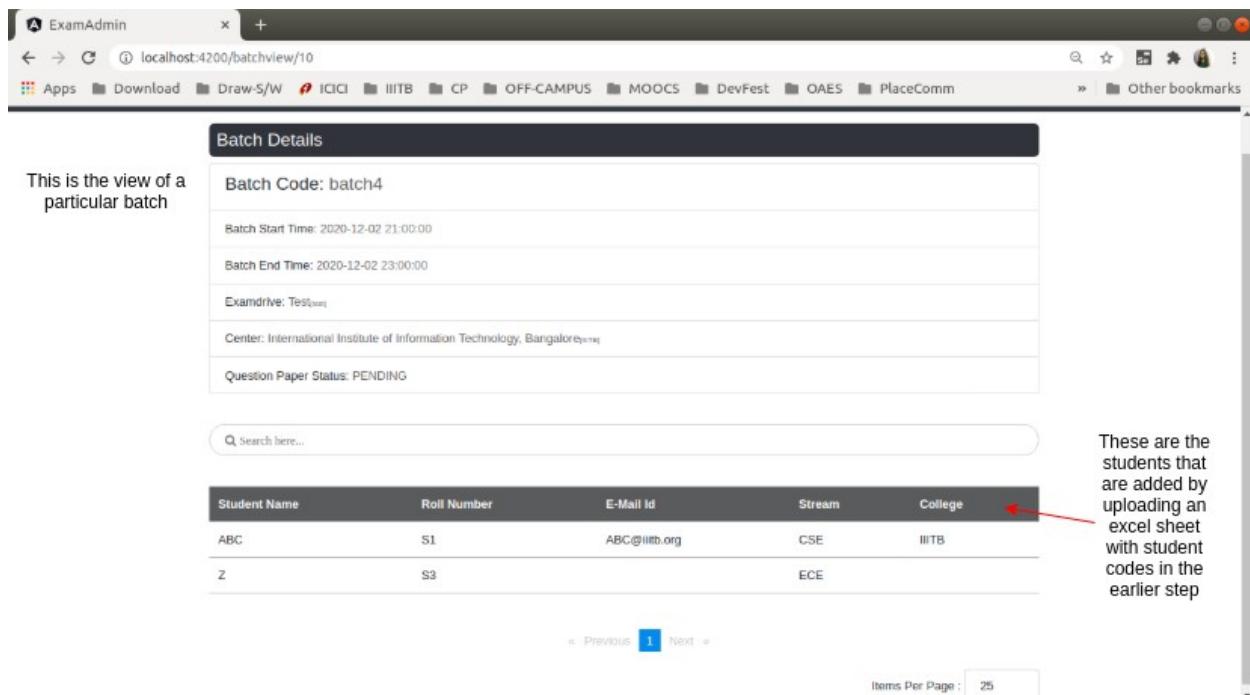
Search here...

Student Name	Roll Number	E-Mail Id	Stream	College
ABC	S1	ABC@iitb.org	CSE	IITB
Z	S3		ECE	

These are the students that are added by uploading an excel sheet with student codes in the earlier step

« Previous 1 Next »

Items Per Page : 25



## Question Creation by Item Author

Select the required fields for a item. For item Type there are MCQ Single correct, MCQ Multicorrect and True/False.

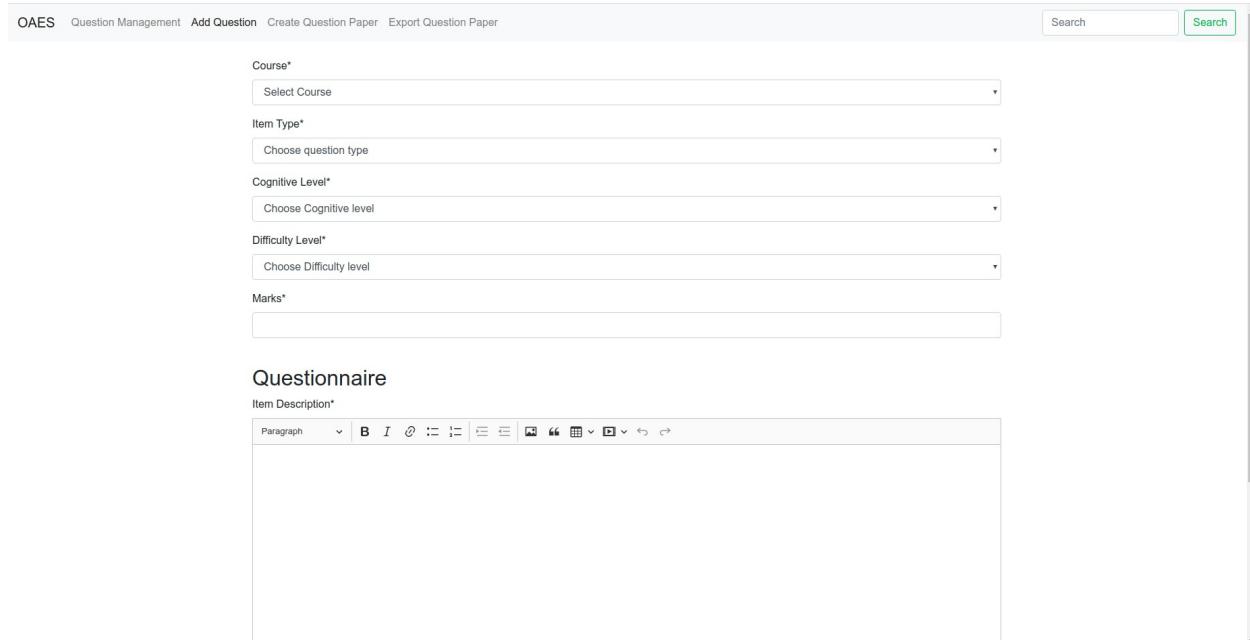
OAES Question Management Add Question Create Question Paper Export Question Paper Search Search

Course*	Select Course
Item Type*	Choose question type
Cognitive Level*	Choose Cognitive level
Difficulty Level*	Choose Difficulty level
Marks*	

**Questionnaire**

Item Description\*

Paragraph **B** *I*



Fill in the data . Add your question to the text editor. Here you can add images,headers,tables,paras etc.

The screenshot shows a web-based application for managing questions. At the top, there's a navigation bar with links for 'Question Management', 'Add Question', 'Create Question Paper', and 'Export Question Paper'. A search bar is also present. Below the navigation, there are several dropdown menus and input fields for defining a question:

- Course\***: DBMS
- Item Type\***: MCQ
- Cognitive Level\***: UNDERSTAND
- Difficulty Level\***: EASY
- Marks\***: 2

Below these settings, there's a section titled "Questionnaire" with a sub-section "Item Description\*". This section contains a rich text editor toolbar and a text area containing the question: "Which of the following is not a database model".

For MCQ Single correct and MCQ multi correct we can add as many options as you want and give the % of correctness(This is used for partial marks for an answer)

This screenshot shows the same application interface, but it's focused on adding options for a multiple-choice question. Above the options, the question "Which of the following is not a database model" is visible. Below this, there's a table for managing options:

Add Option:	% correctness:	Add More
Option : Network Database Model	0	Remove
Option : Relational Database Model	0	Remove
Option : Object Oriented Database Model	0	Remove
Option : None	100	Remove

If True/false is selected

Apps

### Questionnaire

Item Description\*

An extensible hash table always squares the number of buckets when it has to grow.

### Response Form

True\*      % correctness:   
 False\*      % correctness:

**SUBMIT**

\*Required field

## Question Paper Creation by Question Paper Author

OAES Question Management Add Question Create Question Paper Export Question Paper Search Search

Course\*  
Select Course

Total Marks\*

Test Duration(in mins)\*

Batch Code of Question Paper\*

Add Instruction: **Add More**

Selected Questions: 0 Sort by: Relevance View: 9

Marks So Far : 0

Marks	Type	Question	Selected
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DIFFICULTY LEVEL

EASY  
 EASY-MEDIUM  
 MEDIUM  
 HARD-MEDIUM  
 HARD

Back to top View: 12

Once the course is selected all the questions related to that course are displayed.

Apps

OAES Question Management Add Question Create Question Paper Export Question Paper Search Search

Course\* DBMS

Total Marks\*

Test Duration(in mins)\*

Batch Code of Question Paper\*

Add Instruction: [Add More](#)

Selected Questions: 0 Sort by: Relevance View: 9

Marks Type Question Selected

1 McqSingleCorrect 

DIFFICULTY LEVEL

EASY  
 EASY-MEDIUM  
 MEDIUM  
 HARD-MEDIUM  
 HARD

Fill in the required fields and add as many instructions as needed.

OAES Question Management Add Question Create Question Paper Export Question Paper Search Search

Course\* DBMS

Total Marks\* 10

Test Duration(in mins)\* 30

Batch Code of Question Paper\* batch4

Add Instruction: [Add More](#)

no negative marks [Remove](#)

Exam Duration 30mins [Remove](#)

Selected Questions: 0 Sort by: Relevance View: 9

Marks Type Question Selected

1 McqSingleCorrect 

DIFFICULTY LEVEL

EASY  
 EASY-MEDIUM

You can filter the questions based on Difficulty level,Cognitive Level,marks, Question Type. A side bar is given for the filter as belows.

Selected Questions: 0

Marks So Far : 0

---

**DIFFICULTY LEVEL**

- EASY
- EASY-MEDIUM
- MEDIUM
- HARD-MEDIUM
- HARD

---

**QUESTION TYPE**

- MCQ
- TF
- Multi Correct MCQ

---

**COGNITIVE LEVEL**

- REMEMBER
- UNDERSTAND
- APPLY
- ANALYZE
- EVALUATE
- CREATE

---

**MARKS RANGE**

to

Sort by: Relevance ▾

View: 9 ▾

Marks	Type	Question	Selected
1	McqSingleCorrect	 What is a database? <input type="radio"/> Collection of related data <input type="radio"/> Collection of data <input type="radio"/> Collection of words <input type="radio"/> Collection of people	<input type="checkbox"/>
1	McqSingleCorrect	What is a PK? <input type="radio"/> Primary Key <input type="radio"/> Personal Key <input type="radio"/> Person Key <input type="radio"/> Primary Keyword	<input type="checkbox"/>
1	McqMultiCorrect	What is a FK? <input type="radio"/> Foreign Key <input type="radio"/> Foreign Keyword <input type="radio"/> Fashion Key <input type="radio"/> Forward Key	<input type="checkbox"/>
1	True/False	UK and PK are same.	<input type="checkbox"/>

Apps

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**QUESTION TYPE**

- MCQ
- TF
- Multi Correct MCQ

---

**COGNITIVE LEVEL**

- REMEMBER
- UNDERSTAND
- APPLY
- ANALYZE
- EVALUATE
- CREATE

---

**MARKS RANGE**

to

1	McqSingleCorrect	vnar is a database? <input type="radio"/> Collection of related data <input type="radio"/> Collection of data <input type="radio"/> Collection of words <input type="radio"/> Collection of people	<input type="checkbox"/>
1	McqSingleCorrect	What is a PK? <input type="radio"/> Primary Key <input type="radio"/> Personal Key <input type="radio"/> Person Key <input type="radio"/> Primary Keyword	<input type="checkbox"/>
1	McqMultiCorrect	What is a FK? <input type="radio"/> Foreign Key <input type="radio"/> Foreign Keyword <input type="radio"/> Fashion Key <input type="radio"/> Forward Key	<input type="checkbox"/>
1	True/False	UK and PK are same.	<input type="checkbox"/>
2	McqSingleCorrect	What do you mean by one to many relationship between Teacher and Class table? <input type="radio"/> One class may have many teachers <input type="radio"/> One teacher can have many classes <input type="radio"/> Many classes may have many teachers <input type="radio"/> Many teachers may have many classes	<input type="checkbox"/>
2	McqSingleCorrect	In one-to-many relationship the table on 'many' side is called <input type="radio"/> Parent <input type="radio"/> Child <input type="radio"/> Sister <input type="radio"/> Master	<input type="checkbox"/>

## After a Filter is selected:

	Marks	Type	Question	Selected
<b>DIFFICULTY LEVEL</b>				
<input type="checkbox"/> EASY <input type="checkbox"/> EASY-MEDIUM <input checked="" type="checkbox"/> MEDIUM <input checked="" type="checkbox"/> HARD-MEDIUM <input checked="" type="checkbox"/> HARD	1	McqSingleCorrect	What is a PK? <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<input type="checkbox"/>
<b>QUESTION TYPE</b>				
<input type="checkbox"/> MCQ <input type="checkbox"/> TF <input type="checkbox"/> Multi Correct MCQ	1	McqMultiCorrect	What is a FK? <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<input type="checkbox"/>
<b>COGNITIVE LEVEL</b>				
<input type="checkbox"/> REMEMBER <input type="checkbox"/> UNDERSTAND <input type="checkbox"/> APPLY <input type="checkbox"/> ANALYZE <input type="checkbox"/> EVALUATE <input type="checkbox"/> CREATE	2	McqSingleCorrect	What do you mean by one to many relationship between Teacher and Class table? <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<input type="checkbox"/>
<b>MARKS RANGE</b>	1	to	100	
	2	True/False	UK and PK are same.	<input type="checkbox"/>
	2	McqSingleCorrect	In which state one gathers and list all the necessary fields for the database design project. <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>	<input type="checkbox"/>
	2	True/False	Enterprise Resource Planning (ERP) is an example of a single user database.	<input type="checkbox"/>

Apps

	Marks	Type	Question	Selected
<b>DIFFICULTY LEVEL</b>				
<input type="checkbox"/> EASY <input type="checkbox"/> EASY-MEDIUM <input checked="" type="checkbox"/> MEDIUM <input checked="" type="checkbox"/> HARD-MEDIUM <input checked="" type="checkbox"/> HARD	1	True/False	UK and PK are same.	<input type="checkbox"/>
<b>QUESTION TYPE</b>				
<input type="checkbox"/> MCQ <input checked="" type="checkbox"/> TF <input type="checkbox"/> Multi Correct MCQ	2	True/False	Enterprise Resource Planning (ERP) is an example of a single user database.	<input type="checkbox"/>
<b>COGNITIVE LEVEL</b>				
<input type="checkbox"/> REMEMBER <input type="checkbox"/> UNDERSTAND <input type="checkbox"/> APPLY <input type="checkbox"/> ANALYZE <input type="checkbox"/> EVALUATE <input type="checkbox"/> CREATE				
<b>MARKS RANGE</b>	1	to	100	

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View: 12 ▾

## Marks Range is Selection:

**Marks So Far :**

Marks	Type	Question	Selected
2	McqSingleCorrect	What do you mean by one to many relationship between Teacher and Class table? <input type="radio"/> One class may have many teachers <input type="radio"/> One teacher can have many classes <input type="radio"/> Many classes may have many teachers <input type="radio"/> Many teachers may have many classes	<input type="checkbox"/>
2	McqSingleCorrect	In one-to-many relationship the table on 'many' side is called <input type="radio"/> Parent <input type="radio"/> Child <input type="radio"/> Sister <input type="radio"/> Master	<input type="checkbox"/>
2	McqSingleCorrect	In which state one gathers and list all the necessary fields for the database design project. <input type="radio"/> Data Definition <input type="radio"/> Data Refinement <input type="radio"/> Establishing Relationship <input type="radio"/> None Of The Above	<input type="checkbox"/>
2	True/False	A database has a built-in capability to create, process and administer Itself.	<input type="checkbox"/>
2	True/False	Enterprise Resource Planning (ERP) is an example of a single user database.	<input type="checkbox"/>

**Marks Range**

2 to 2

[Back to top](#)

View: 12 ▾

As you keep selecting questions for question paper , the number question selected and total marks so far will be displayed .

**APP INSTRUCTIONS:**

- no negative marks
- Exam Duration 30mins

**Selected Questions: 5**

**Marks So Far : 9**

Marks	Type	Question	Selected
1	McqSingleCorrect		<input type="checkbox"/>
1	McqSingleCorrect	What is a database? <input type="radio"/> Collection of related data <input type="radio"/> Collection of data <input type="radio"/> Collection of words <input type="radio"/> Collection of people	<input type="checkbox"/>
1	McqSingleCorrect	What is a PK? <input type="radio"/> Primary Key <input type="radio"/> Personal Key <input type="radio"/> Person Key <input type="radio"/> Primary Keyword	<input type="checkbox"/>

Once done with questions selection , click on next button to see the question paper preview.

Apps

One class may have many teachers  
One teacher can have many classes  
Many classes may have many teachers  
Many teachers may have many classes

2 McqSingleCorrect In one-to-many relationship the table on 'many' side is called   
 Parent  
 Child  
 Sister  
 Master

2 McqSingleCorrect In which state one gathers and list all the necessary fields for the database design project.  
 Data Definition  
 Data Refinement  
 Establishing Relationship  
 None Of The Above

2 True/False A database has a built-in capability to create, process and administer itself.

2 True/False Enterprise Resource Planning (ERP) is an example of a single user database.

[Back to top](#) View: 12 [Next](#)

## Question Paper Preview:

OAES Question Management Add Question Create Question Paper Export Question Paper

Search Search

### Question Paper Preview

1. What is a FK?  
a.  Foreign Key  
b.  Foreign Keyword  
c.  Fashion Key  
d.  Forward Key

2. Enterprise Resource Planning (ERP) is an example of a single user database.  
 True  
 False

3. A database has a built-in capability to create, process and administer itself.  
 True  
 False

4. In which state one gathers and list all the necessary fields for the database design project.  
a.  Data Definition  
b.  Data Refinement  
c.  Establishing Relationship  
d.  None Of The Above

5. In one-to-many relationship the table on 'many' side is called  
a.  Parent

c.  Establishing Relationship  
d.  None Of The Above

5. In one-to-many relationship the table on 'many' side is called  
a.  Parent  
b.  Child  
c.  Sister  
d.  Master

6. What is a database?  
a.  Collection of related data  
b.  Collection of data  
c.  Collection of words  
d.  Collection of people

1 Marks Delete

2 Marks Delete

2 Marks Delete

2 Marks Delete

2 Marks Delete

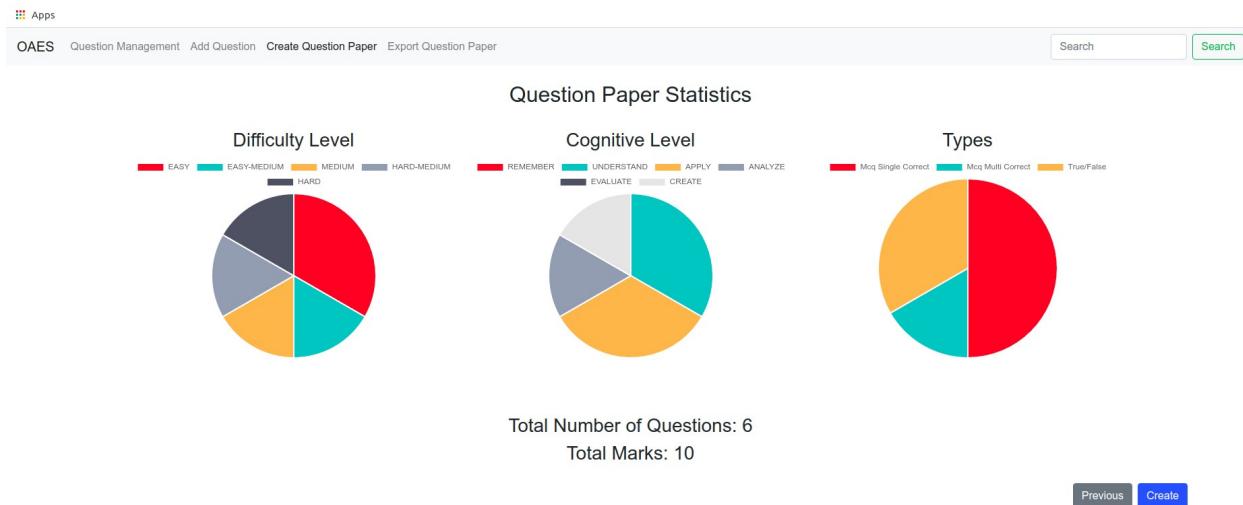
1 Marks Delete

Previous Next

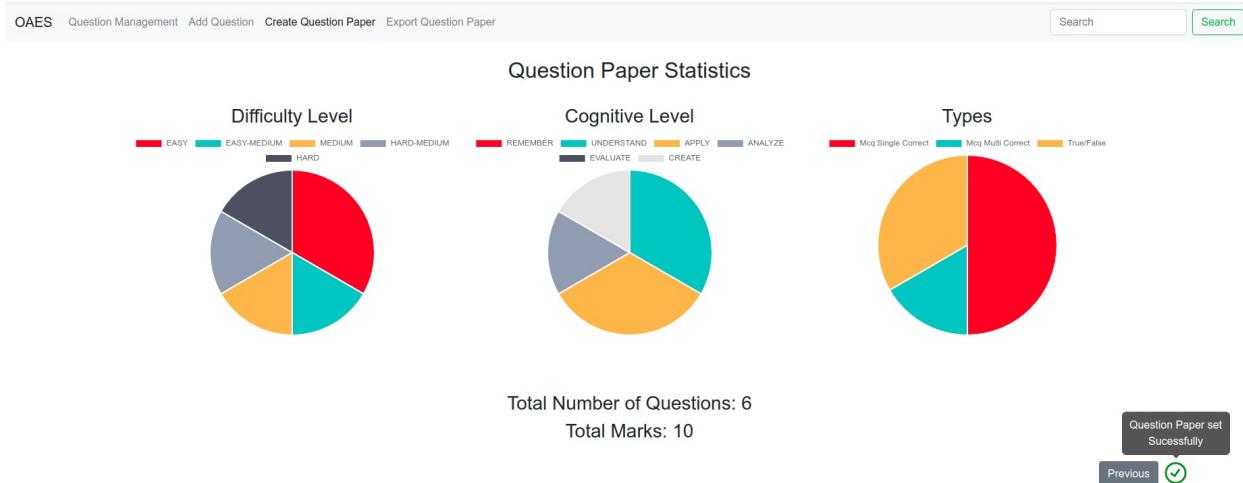


Prev to go back to previous page and next page for question paper statistics.

## Question paper statistics. (graphical representation)



Click create to generate question paper.



**Export Question Papers to Exam Controller by Author**

Question Paper Key is generated

Key

## Export Answer Key to Evaluator by Author

Answer key generation:

The screenshot shows a web-based application interface for OAES. At the top, there is a navigation bar with links for 'Question Management', 'Add Question', 'Create Question Paper', and 'Export Question Paper'. On the right side of the header, there is a search bar with a 'Search' button. Below the header, there is a large central area with a green border. Inside this area, there are two blue buttons labeled 'Export Question Papers' and 'Export Answers'. Below the buttons, there is a label 'Key' followed by a text input field containing the value '39aiiJyEpA8c'.

## Import Questions Papers by Exam Controller

The screenshot shows a web-based application interface for Exam Administrator. The title bar says 'ExamAdmin' and the address bar shows 'localhost:4200/examdrives'. The page has a dark header with 'Exam Administrator' and 'Exam Drives' tabs. Below the header, there is a green button labeled '+ Add Exam Drive'. A red box highlights a text input field containing the key 'UMRtwTl3db4i'. A red arrow points from this box to a note below it: 'This the Key that is received from Question Paper Author'. To the right of the input field is a yellow button labeled 'Import Marks'. Further down, there is another yellow button labeled 'Import Question Papers' with a red arrow pointing to it. A note next to it says 'Click this to import the question papers'. Below these controls, there is a table with columns 'Drive', 'Course', and 'Status'. The table contains three rows: 'Test' (Course: dbms\_101, Status: NOT\_STARTED), 'Improvement Examination' (Course: dbms\_101, Status: NOT\_STARTED), and 'End Term Examination' (Course: dm\_102, Status: IN\_PROGRESS). Each row has a set of four small icons in the last column.

Drive	Course	Status	
Test	dbms_101	NOT_STARTED	[icons]
Improvement Examination	dbms_101	NOT_STARTED	[icons]
End Term Examination	dm_102	IN_PROGRESS	[icons]

Screenshot of the ExamAdmin application interface showing the 'Exam Drives' section.

The page title is 'Exam Administrator' and the URL is 'localhost:4200/examdrives'. The top navigation bar includes links for Apps, Download, Draw-S/W, ICICI, IITB, CP, OFF-CAMPUS, MOOCs, DevFest, OAES, PlaceComm, and Other bookmarks.

Key features visible include:

- A green button labeled '+ Add Exam Drive'.
- Text boxes for 'Enter Key for import of Marks' and 'Enter Key for import of Question Papers'.
- A search bar with placeholder 'Q Search here...'. A callout bubble notes: 'We can see that once the Question Papers are imported for the drive, status will be changed from NOT\_STARTED to IN\_PROGRESS and edit is disabled in order to prevent adding more batches'.
- An 'Import Marks' button and an 'Import Question Papers' button.
- A table listing exam drives:
 

Drive	Course	Status	Action Buttons
Test	dbms_101	IN_PROGRESS	
Improvement Examination	dbms_101	NOT_STARTED	
End Term Examination	dm_102	IN_PROGRESS	

## Export Question Papers, Batch Details, and Student Details to Centers by Exam Controller

Screenshot of the ExamAdmin application interface showing the 'Exam Drives' section.

The page title is 'Exam Administrator' and the URL is 'localhost:4200/examdrives'. The top navigation bar includes links for Apps, Download, Draw-S/W, ICICI, IITB, CP, OFF-CAMPUS, MOOCs, DevFest, OAES, PlaceComm, and Other bookmarks.

Key features visible include:

- A green button labeled '+ Add Exam Drive'.
- Text boxes for 'Enter Key for import of Marks' and 'Enter Key for import of Question Papers'.
- A search bar with placeholder 'Q Search here...'.
- A callout bubble with the text 'Click on View of the Exam Drive' pointing to the 'View' icon in the action column of the first row of the table.
- An 'Import Marks' button and an 'Import Question Papers' button.
- A table listing exam drives:
 

Drive	Course	Status	Action Buttons
Test	dbms_101	IN_PROGRESS	
Improvement Examination	dbms_101	NOT_STARTED	
End Term Examination	dm_102	IN_PROGRESS	

Screenshot of the ExamAdmin application showing the Exam Drive Details page for an exam drive named "Test".

The page displays the following information:

- Exam Drive Name: Test
- Exam Drive Code: test
- Status: IN\_PROGRESS
- Course: DBMS [DBMS\_101]

A callout box with a red arrow points to a button labeled "Click this send button to export question paper, batch details and student details to that center".

Below the details, there is a table with columns: Center Name, Center Code, and Center Capacity. One row is shown for "International Institute of Information Technology, Bangalore" (IIITB) with a capacity of 1000.

At the bottom, there are navigation links for "Previous" and "Next", and a dropdown for "Items Per Page" set to 25.

Screenshot of the ExamAdmin application showing the Exam Drive Details page for an exam drive named "Test".

The page displays the following information:

- Exam Drive Name: Test
- Exam Drive Code: test
- Status: IN\_PROGRESS
- Course: DBMS [DBMS\_101]

A callout box with a red arrow points to a text field labeled "This is the key to be used to import the papers, students and batches information by Center Admin".

Below the details, there is a table with columns: Center Name, Center Code, and Center Capacity. One row is shown for "International Institute of Information Technology, Bangalore" (IIITB) with a capacity of 1000. A red oval highlights the "Key - DLczvdHZgM3p" value.

At the bottom, there are navigation links for "Previous" and "Next", and a dropdown for "Items Per Page" set to 25.

## Import Question Papers, Batch Details, and Examinee Details (E-Pack) in Center by Center Admin

1. Whenever a user logs in, then the validation of the user is done and the respective error messages are shown.
  - a. If the Username/Registration field is left empty.

The screenshot shows a web browser window titled "Assessment Module". The address bar displays "localhost:4200/login". The main content area is a "Sign-In Form" with two input fields: "Username/Registration No." and "Password.". Both fields have placeholder text "Enter Username/Registration No." and "Enter Password." respectively. A red error message box at the top states "Error! Please enter Username. It is a mandatory field". A green "Submit" button is located below the password field.

Error! Please enter Username. It is a mandatory field

Sign-In Form

Username/Registration No: \*

Enter Username/Registration No

Password: \*

Enter Password

Submit

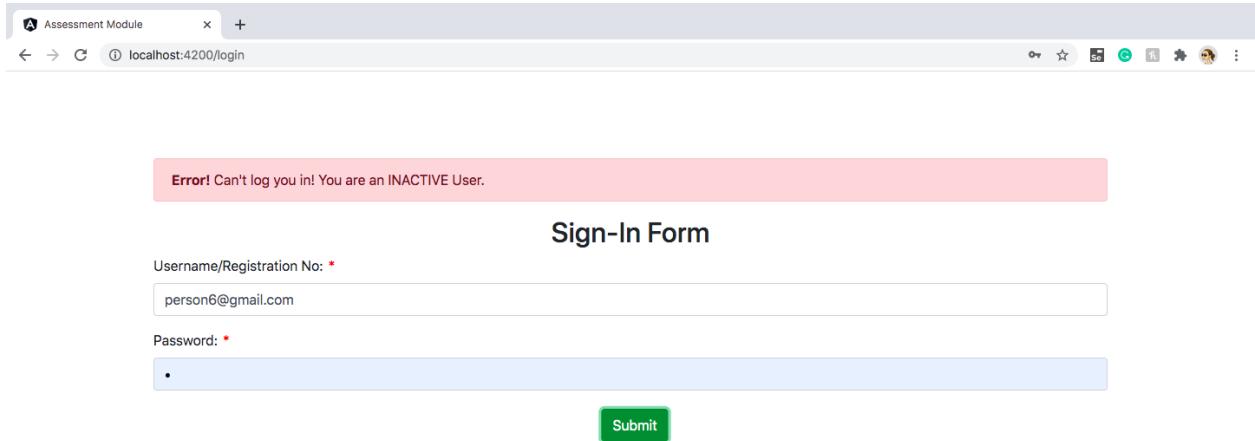
- b. If the Password field is left empty.

A screenshot of a web browser window titled "Assessment Module". The address bar shows "localhost:4200/login". The main content area displays a "Sign-In Form". At the top, a red error message box contains the text "Error! Please enter Password. It is a mandatory field". Below the message, there are two input fields: "Username/Registration No: \*" containing "person4@gmail.com" and "Password: \*" which is empty. A green "Submit" button is located at the bottom right of the form.

- c. If the Username/Registration and password doesn't match

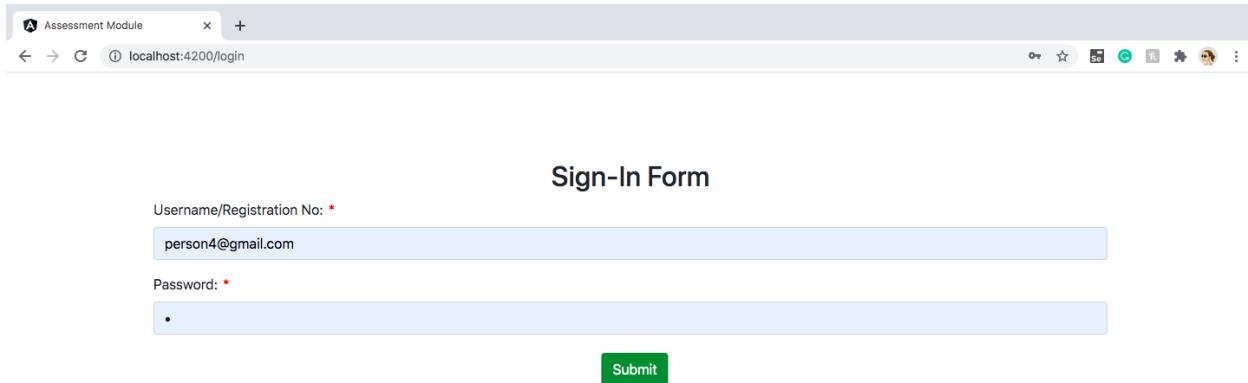
A screenshot of a web browser window titled "Assessment Module". The address bar shows "localhost:4200/login". The main content area displays a "Sign-In Form". At the top, a red error message box contains the text "Error! Invalid Username/Registration No or Password!". Below the message, there are two input fields: "Username/Registration No: \*" containing "person4@gmail.com" and "Password: \*" which is empty. A green "Submit" button is located at the bottom right of the form.

d. If the user status is “INACTIVE”.



A screenshot of a web browser window titled "Assessment Module". The address bar shows "localhost:4200/login". A red error message box at the top says "Error! Can't log you in! You are an INACTIVE User." Below it is a "Sign-In Form" with fields for "Username/Registration No." containing "person6@gmail.com" and "Password." containing a masked password. A green "Submit" button is at the bottom.

2. Login as Center Admin to import E-Pack (which has Question paper, batch and examinee details) from Exam Controller.



A screenshot of a web browser window titled "Assessment Module". The address bar shows "localhost:4200/login". A "Sign-In Form" is displayed with fields for "Username/Registration No." containing "person4@gmail.com" and "Password." containing a masked password. A green "Submit" button is at the bottom.

3. Below is the Home-Screen for Center-Admin. Enter the key for E-Pack given by the Exam Controller, in the text-box shown for importing packs(which is circled RED) and click on “Import Question paper and Examinee Details Packs (E-Pack)” button to import the respective E-Pack for the center.

Assessment Module

localhost:4200/centerAdmin/packageManagement

### Center Admin - Package Management

Import E-Pack

DLezvdHZgM3p

Import Question Paper and Examinee Details Packs (E-Pack)

Export R-Pack

Export All Response-Packs (R-Pack)

Exported File key

S.no	Examdrive Name	Course Name	Created By	Created On	Sent On	Status	Description
------	----------------	-------------	------------	------------	---------	--------	-------------

## Examination Attempt by Student

1. The Examinees will log in using their Registration number and password.

Assessment Module

localhost:4200/login

### Sign-In Form

Username/Registration No: \*

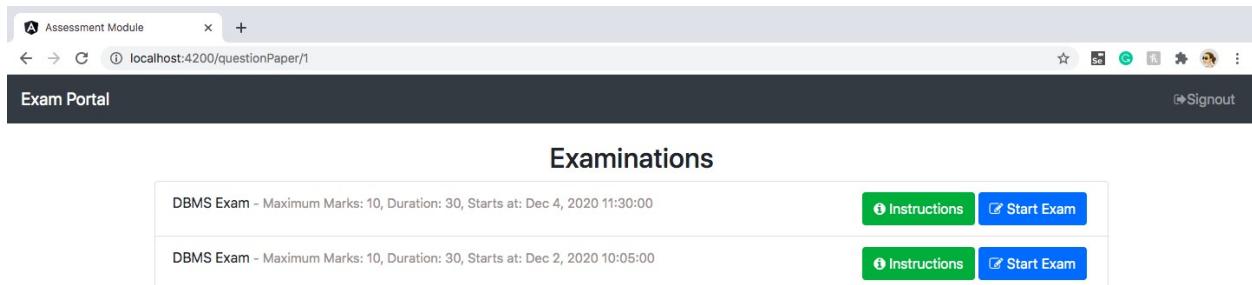
S1

Password: \*

\*\*\*

Submit

2. Below is the home screen for the examinee. The list of all the exams which are related to the examinee are shown

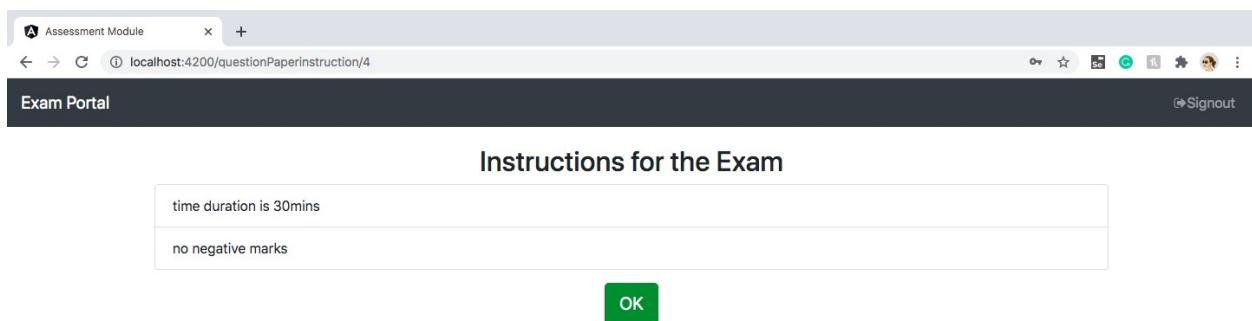


The screenshot shows a web browser window titled "Assessment Module". The address bar displays "localhost:4200/questionPaper/1". The main content area is titled "Examinations" and lists two exam entries:

Exam Details	Actions
DBMS Exam - Maximum Marks: 10, Duration: 30, Starts at: Dec 4, 2020 11:30:00	<button>Instructions</button> <button>Start Exam</button>
DBMS Exam - Maximum Marks: 10, Duration: 30, Starts at: Dec 2, 2020 10:05:00	<button>Instructions</button> <button>Start Exam</button>

At the top right of the content area, there is a "Signout" link.

3. When you click on the “Instructions” button then the instructions for that particular question paper are shown.

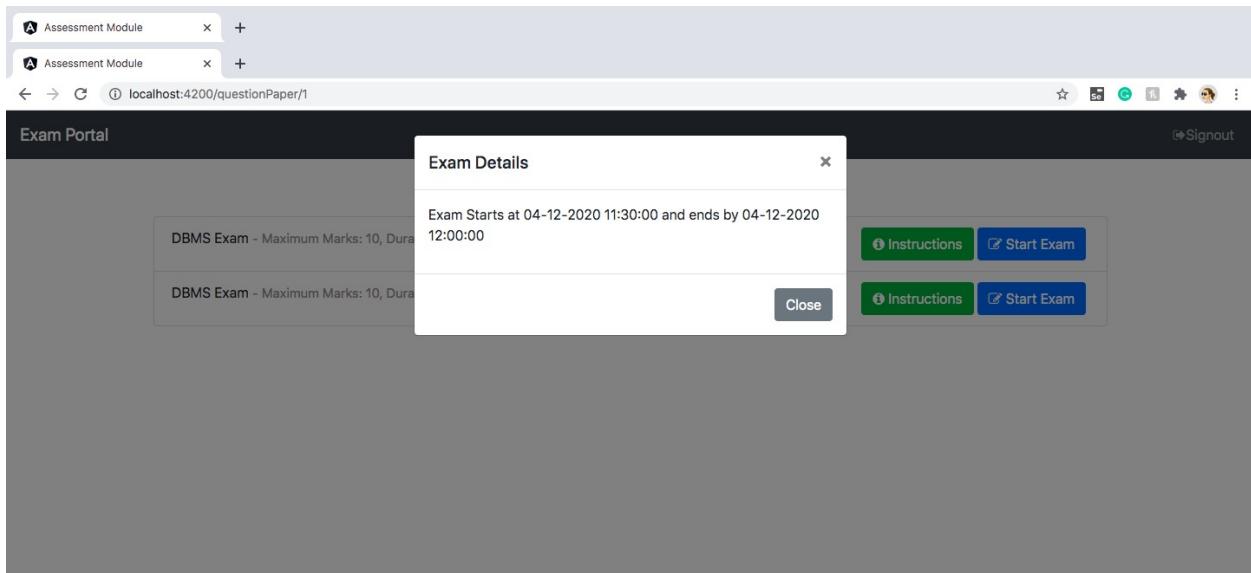


The screenshot shows a web browser window titled "Assessment Module". The address bar displays "localhost:4200/questionPaperinstruction/4". The main content area is titled "Instructions for the Exam" and contains the following text:

time duration is 30mins  
no negative marks

A green "OK" button is located at the bottom center of the instructions box.

4. When you click on the “Start Exam” button then if the current time does not lie in between start and end time of the batch, then a pop-up message showing the exam details is displayed. Click on the “Close” button to close the pop-up.



5. Else, if current time lies between the start and end times of the examination, then it's question paper is shown.

**Examination**

1. A database has a built-in capability to create, process and administer itself.
  - a.  True
  - b.  False
2. Enterprise Resource Planning (ERP) is an example of a single user database.
  - a.  True
  - b.  False
3. What do you mean by one to many relationship between Teacher and Class table?
  - a.  One class may have many teachers
  - b.  One teacher can have many classes
  - c.  Many classes may have many teachers
  - d.  Many teachers may have many classes
4. In one-to-many relationship the table on 'many' side is called
  - a.  Parent
  - b.  Child
  - c.  Sister

- a. Depending on the examinee, the items and their options are jumbled.
- b. The side-navigation-bar shows
  - i. The status of all items
    - 1. White color is shown for unattempted items
    - 2. Green color is shown for attempted items
    - 3. Red colour is shown for flagged items
      - a. When you flag an item the text on that button turn to “Flagged”
      - b. When you un-flag an item the text on that button turn to “Flag”
  - ii. Time left to complete the exam
  - iii. And when the button “Finish Exam” is clicked the exam ends

The screenshot shows a web-based examination system. At the top, there's a header bar with the title 'Assessment Module' and a URL 'localhost:4200/questionPaper/1/examination/4/batch/12'. Below the header is a dark navigation bar with the text 'Exam Portal' on the left and 'Signout' on the right. The main content area is titled 'Examination'.

On the left side of the main area, there's a sidebar with a grid of numbered boxes (1-6) and a timer 'Timer - 0:29:19'. Below the timer is a green button labeled 'Finish Exam'.

The main content consists of four numbered questions:

- A database has a built-in capability to create, process and administer itself.
  - a.  True
  - b.  False
- Enterprise Resource Planning (ERP) is an example of a single user database.
  - a.  True
  - b.  False
- What do you mean by one to many relationship between Teacher and Class table?
  - a.  One class may have many teachers
  - b.  One teacher can have many classes
  - c.  Many classes may have many teachers
  - d.  Many teachers may have many classes
- In one-to-many relationship the table on 'many' side is called
  - a.  Parent
  - b.  Child
  - c.  Sister

Each question row includes three buttons on the right: 'Flag' (red), 'Reset' (blue), and '2 Marks'.

- c. For each item, its marks are shown to its right and a “Flag” button is shown to flag a particular item. For Mcq-Single-Correct and True/False items, “Reset” button is also shown so as to make the item unattempted after you attempt it. In the below figure, “Reset” button of the 1st item is clicked.

The screenshot shows a web-based exam portal titled "Exam Portal". At the top, there's a navigation bar with links for "Assessment Module", "localhost:4200/questionPaper/1/examination/4/batch/12", and "Signout". Below the navigation is a header "Examination". On the left, a sidebar displays a navigation menu with numbered items (1, 2, 3, 4, 5) where item 2 is highlighted in green, and item 6. A "Finish Exam" button is also present. The main area contains four questions:

- A database has a built-in capability to create, process and administer itself.
  - a.  True
  - b.  False
- Enterprise Resource Planning (ERP) is an example of a single user database.
  - a.  True
  - b.  False
- What do you mean by one to many relationship between Teacher and Class table?
  - a.  One class may have many teachers
  - b.  One teacher can have many classes
  - c.  Many classes may have many teachers
  - d.  Many teachers may have many classes
- In one-to-many relationship the table on 'many' side is called
  - a.  Parent
  - b.  Child
  - c.  Sister

Each question row includes a "Flag" button (with a red icon), a "Reset" button (with a blue icon), and a "2 Marks" indicator. The first question's "Reset" button is highlighted in blue, indicating it has been clicked.

- d. If the examinee clicks on the refresh button that is present above the “Exam Portal”, the page refreshes and responses of the examinee are still shown and the examinee can proceed with his/her exam.
- e. “Finish Exam” button is shown at the end of the exam page and also in the side-navigation-bar, when you click on any of those buttons then the exam will end or even when the timer runs out of time then the exam ends automatically.

The screenshot shows a web-based assessment module. On the left, there is a navigation bar with icons for back, forward, search, and other system functions. The main content area displays a question paper. At the top left of the page, there is a header bar with the text "Assessment Module" and a URL "localhost:4200/questionPaper/1/examination/4/batch/12". Below this, there is a grid of numbered boxes (1-6) with colors: 1 (green), 2 (red), 3 (red), 4 (red), 5 (green), and 6 (grey). A red circle highlights the text "Timer - 0:28:32" next to box 6. A red arrow points from this circle to a green button labeled "Finish Exam" at the bottom left of the page. The main content area contains several questions:

- Question 5: "What is a database?"
  - a.  Collection of related data
  - b.  Collection of data
  - c.  Collection of words
  - d.  Collection of people
- Question 6: "What is a FK?"
  - a.  Foreign Key
  - b.  Foreign Keyword
  - c.  Fashion Key
  - d.  Forward Key

Each question has a "Flag" button, a "Reset" button, and a "1 Marks" indicator. A red arrow points from the "Finish Exam" button at the bottom right towards the "Finish Exam" button at the bottom left.

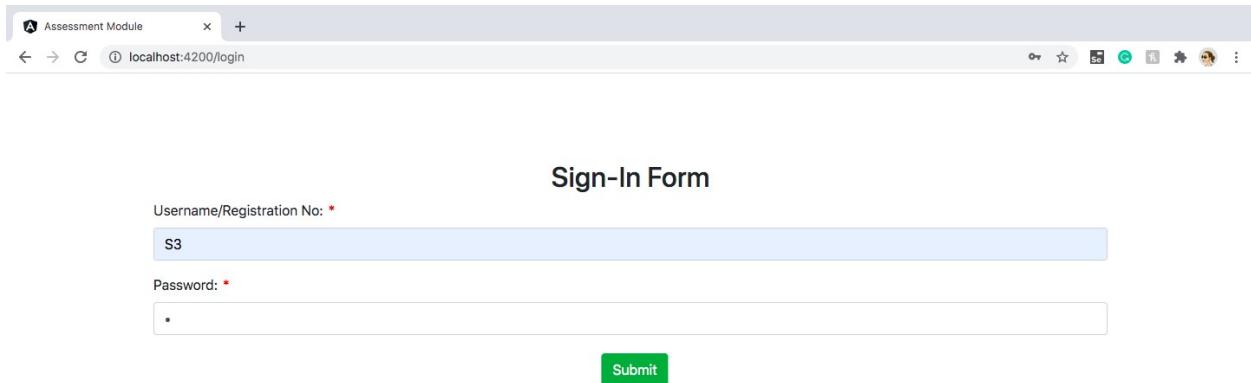
6. Once you attempt an exam, you cannot attempt the same exam again i.e when you click on the “Start Exam” button of an attempted exam then a pop-up message showing the start and end details of the exam is displayed. Click on the “Close” button to close the pop-up.

The screenshot shows an "Exam Portal" interface. At the top, there is a header bar with the text "Assessment Module" and a URL "localhost:4200/questionPaper/1". The main content area displays a list of exams. A modal window titled "Exam Details" is open in the center. The modal contains the following information:

- Exam Starts at 04-12-2020 11:30:00 and ends by 04-12-2020 12:00:00

At the bottom of the modal, there is a "Close" button. In the background, there are two smaller, partially visible exam cards with the text "DBMS Exam - Maximum Marks: 10, Duration: 1 hour". Each card has a "Instructions" button and a "Start Exam" button.

7. Similarly, all examinees can log in with their registration numbers and password and write their exams.



Assessment Module

localhost:4200/login

Sign-In Form

Username/Registration No. \*

S3

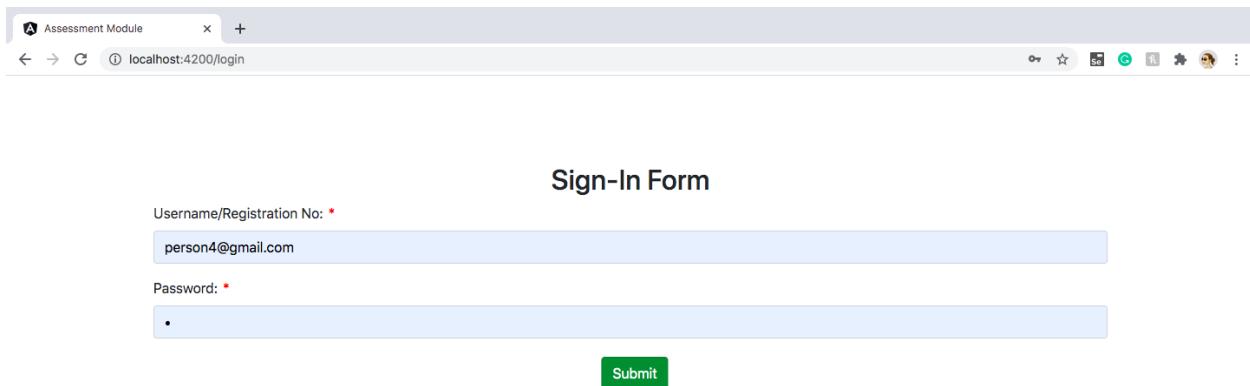
Password: \*

•

Submit

## Export Student Responses to Evaluation by Center Admin

1. Now when a Center-Admin logs in



Assessment Module

localhost:4200/login

Sign-In Form

Username/Registration No. \*

person4@gmail.com

Password: \*

•

Submit

2. The list of all completed exam batches which are yet to be exported is shown.

The screenshot shows the 'Center Admin - Package Management' interface. At the top, there are 'Import E-Pack' and 'Export R-Pack' sections. Below these, a red oval highlights the 'Completed Batches' section, which lists 'DBMS Exam - Completed at Dec 4, 2020 12:00:00'. Below this is the 'R-Pack History' section, which contains a table with columns: S.no, Examdrive Name, Course Name, Created By, Created On, Sent On, Status, and Description.

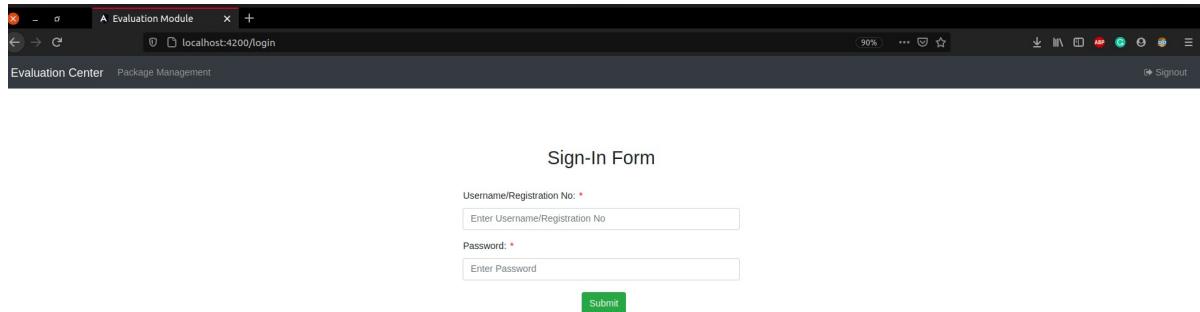
- When you click on "Export All Response-Packs (R-Pack)" then all the examinee responses for all the batches sent and a key is generated to import that particular R-Pack which is sent to the Evaluation Module.

The screenshot shows the same interface after the export process. A red arrow points from the 'Export All Response-Packs (R-Pack)' button to the 'PlutwBg3aKcm' key in the 'Exported File key' input field. The 'Completed Batches' section is no longer visible, and the 'R-Pack History' section now includes the newly generated R-Pack key.

- When you refresh the page you can see that the completed batches list disappeared and the sent R-Pack is being added in the R-Pack history showing all its details.

## Import Answer Key and Student Responses By Evaluator

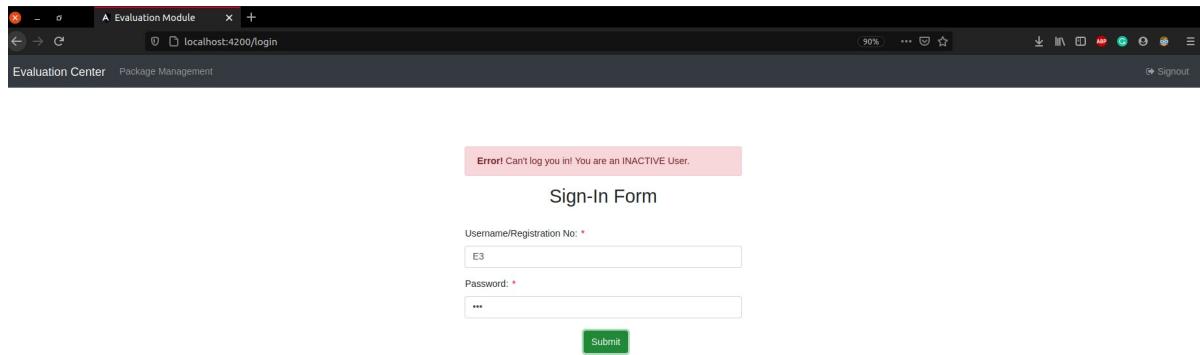
1. The Evaluator will log in using their Registration number and password.



The screenshot shows a web browser window with the title bar "Evaluation Module" and the address bar "localhost:4200/login". The main content area is titled "Sign-In Form". It contains two input fields: "Username/Registration No. \*" and "Password: \*". Both fields have placeholder text "Enter Username/Registration No" and "Enter Password" respectively. A green "Submit" button is located below the password field. The browser interface includes standard navigation buttons, a search bar, and a toolbar at the top right.

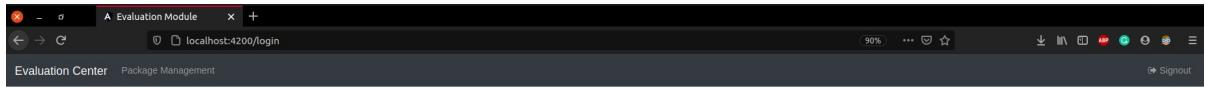
2. Students are not authorized to login.

### 3. INACTIVE users are also not authorized to login.



The screenshot shows a web browser window with the title bar "Evaluation Module". The address bar displays "localhost:4200/login". The main content area shows a "Sign-In Form" with two input fields: "Username/Registration No." containing "E3" and "Password." containing "\*\*\*". A red error message box at the top states "Error! Can't log you in! You are an INACTIVE User." Below the form is a green "Submit" button.

### 4. All fields are mandatory.



Error! Please enter Password. It is a mandatory field

### Sign-In Form

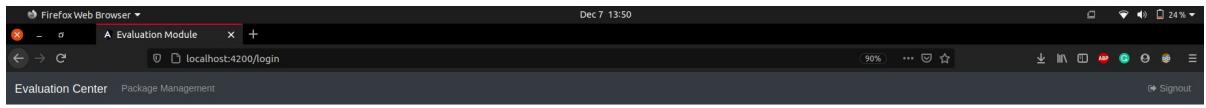
Username/Registration No: \*

E1

Password: \*

Enter Password

Submit



Error! Please enter Username. It is a mandatory field

### Sign-In Form

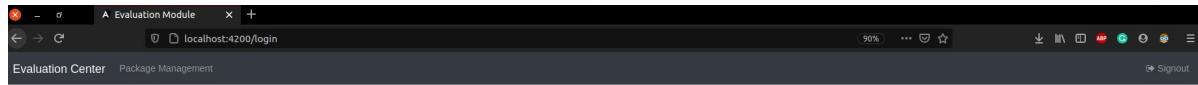
Username/Registration No: \*

Enter Username/Registration No

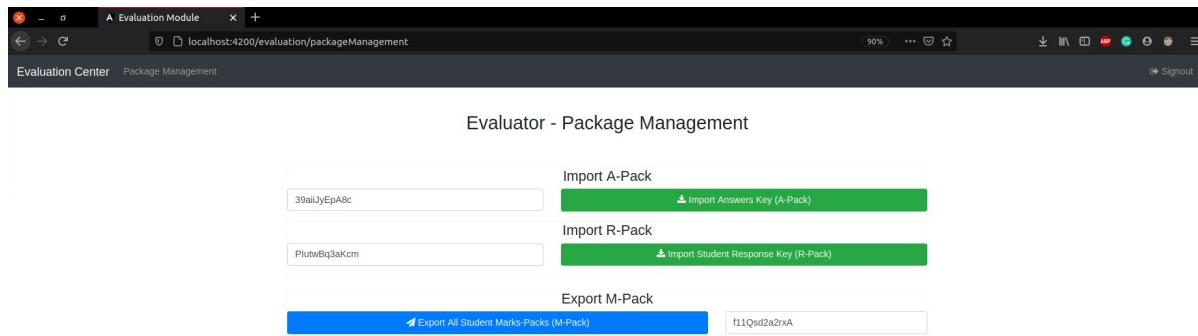
Password: \*

Enter Password

Submit



5. Import Answer Key and Student Responses using the key sent by the Authoring and Assessment module respectively.



## Evaluation By Evaluator

Trigger the evaluation - Once the evaluation is complete check the status by reloading the page.  
We can also view responses of examinees for manual evaluation.

Examinee Batch	Status	
11	COMPLETED	<button>Evaluate</button> <button>Info</button>
12	PENDING	<button>Evaluate</button> <button>Info</button>

# Export Marks to Exam Controller by Evaluator

Export the M Pack and send it to the Exam Controller module.

The screenshot shows a web browser window titled "Evaluation Module" with the URL "localhost:4200/evaluation/packageManagement". The page is titled "Evaluator - Package Management". It features two main sections: "Import A-Pack" and "Import R-Pack". Under "Import A-Pack", there is a text input field containing "39aiuijyEpA8c" and a green button labeled "Import Answers Key (A-Pack)". Under "Import R-Pack", there is a text input field containing "PlutwBq3aKcm" and a green button labeled "Import Student Response Key (R-Pack)". Below these sections is a blue button labeled "Export M-Pack" with a small icon. To the right of the "Export M-Pack" button is a text input field containing "f11Qsd2a2rxA". At the bottom right of the page is a "Signout" link.

# Import Marks by Exam Controller

The screenshot shows the Exam Administrator dashboard with the following elements:

- Header:** ExamAdmin, localhost:4200/examdrives, Other bookmarks.
- Main Content:** A green button labeled "+ Add Exam Drive". Below it is a text input field containing "f11Qsd2a2rxA" with a red arrow pointing to it from the left. To the right of the input field is a yellow button labeled "Import Marks" with a red arrow pointing to it from the right. A tooltip says "Click this to import marks".
- Search Bar:** "Search here..."
- Table:** A list of exam drives with columns: Drive, Course, and Status.

Drive	Course	Status
Test	dbms_101	IN_PROGRESS
Improvement Examination	dbms_101	NOT_STARTED
End Term Examination	dm_102	IN_PROGRESS

The screenshot shows the Exam Administrator dashboard with the following elements:

- Header:** ExamAdmin, localhost:4200/examdrives, Other bookmarks.
- Main Content:** Two text input fields: "Enter Key for import of Marks" and "Enter Key for import of Question Papers". To the right of each is a yellow "Import" button ("Import Marks" and "Import Question Papers").
- Text:** "Once the Marks are imported the status of the exam drive will be marked COMPLETED and Marks Reports button will be enabled".
- Search Bar:** "Search here..."
- Table:** A list of exam drives with columns: Drive, Course, and Status. The "Status" column has a red arrow pointing to it from the left, indicating it will change to "COMPLETED".

Drive	Course	Status
Test	dbms_101	COMPLETED
Improvement Examination	dbms_101	NOT_STARTED
End Term Examination	dm_102	IN_PROGRESS

# Marks Report Generation

The screenshot shows a web browser window titled "ExamAdmin" with the URL "localhost:4200/examdrives". The page has a dark header with "Exam Administrator" and navigation links for "Exam Drives", "Centers", "Courses", and "Students". A green button at the top right says "+ Add Exam Drive". Below it are two input fields: "Enter Key for import of Marks" and "Enter Key for import of Question Papers", each with a yellow "Import" button to its right. A search bar with placeholder "Search here..." is followed by a callout text: "Click this button to see Marks reports of the students of that drive". A table lists three exam drives:

Drive	Course	Status	Actions
Test	dbms_101	COMPLETED	[CSV, PDF, XLS, ZIP]
Improvement Examination	dbms_101	NOT_STARTED	[CSV, PDF, XLS, ZIP]
End Term Examination	dm_102	IN_PROGRESS	[CSV, PDF, XLS, ZIP]

The screenshot shows a web browser window titled "ExamAdmin" with the URL "localhost:4200/examdrivemarksreport/4". The page has a dark header with "Exam Administrator" and navigation links for "Exam Drives", "Centers", "Courses", and "Students". A title bar says "Test - DBMS [dbms\_101]". A callout text says "Click this button to export the reports to Excel Sheet" with a red arrow pointing to a green "xlsx" button. A note below states: "\* Note that the only the displayed records will be downloaded while export [Tip - to see all the records make the items per page as blank]". A search bar says "Search students here...". The page displays a table of student marks:

Roll Number	Name	Mail Id	College	Branch	Marks
S1	ABC	ABC@iitb.org	IIITB	CSE	2
S3	Z			ECE	3

Pagination controls at the bottom say "« Previous 1 Next »". A "Items Per Page" dropdown is set to "25".

Screenshot of a web browser window titled "ExamAdmin" showing a student marks report for "Test - DBMS [dbms\_101]".

The URL is [localhost:4200/examdrivemarksreport/4](http://localhost:4200/examdrivemarksreport/4).

The page includes a note: "\* Note that the only the displayed records will be downloaded while export [Tip - to see all the records make the items per page as blank]."

A green button labeled "xlsx" is visible.

A search bar contains the placeholder "Search students here...".

A table displays student data:

Roll Number	Name	Mail Id	College	Branch	Marks
S1	ABC	ABC@iitb.org	IIITB	CSE	2
S3	Z			ECE	3

An annotation points to the "test - 2020-1....xlsx" link in the download history, which is circled in red.

Download history details:

- File: test - 2020-1....xlsx
- Size: 0B
- Last modified: 1 day ago
- Downloaded: 1 time

Pagination controls: « Previous, 1, Next »

Other buttons: Show all, X

# Additional Functionalities

## Exam Controller

### Delete Exam Drive

The screenshot shows the 'Exam Drives' section of the ExamAdmin application. At the top, there are two input fields: 'Enter Key for import of Marks' and 'Enter Key for import of Question Papers', each with a corresponding 'Import' button ('Import Marks' and 'Import Question Papers'). Below these is a search bar with placeholder text 'Search here...'. The main area displays a table of exam drives:

Drive	Course	Status	Actions
Test	dbms_101	COMPLETED	
Improvement Examination	dbms_101	NOT_STARTED	
End Term Examination	dm_102	IN_PROGRESS	

A red arrow points to the delete icon in the top right corner of the first row's action column, with a callout bubble saying 'Click this Button to delete the Exam Drive'.

The screenshot shows a confirmation dialog box titled "localhost:4200 says" with the message "Are you sure to delete the Test drive?". Below the dialog is a green button bar with "Cancel" and "OK" buttons. A red arrow points from the text "Since it is irreversible action, the application will make sure if user wants to delete, You can choose to cancel if not required" to the "OK" button. The main content area displays a table of exam drives:

Drive	Course	Status
Test	dbms_101	COMPLETED
Improvement Examination	dbms_101	NOT_STARTED
End Term Examination	dm_102	IN_PROGRESS

## Centers

The screenshot shows the "Centers" view of the ExamAdmin application. A red arrow points to the "Centers" tab in the navigation bar. A callout box with the text "Use the navigation bar to switch between required views - To get all the registered centers information click here" is positioned above the main content area. The main content area displays a table of exam drives, identical to the one in the previous screenshot:

Drive	Course	Status
Test	dbms_101	COMPLETED
Improvement Examination	dbms_101	NOT_STARTED
End Term Examination	dm_102	IN_PROGRESS

Screenshot of the ExamAdmin application showing the 'Centers' page.

The top navigation bar includes links for Apps, Download, Draw-S/W, ICICI, IITB, CP, OFF-CAMPUS, MOOCs, DevFest, OAES, PlaceComm, and Other bookmarks.

The main header has tabs for Exam Administrator, Exam Drives, Centers, Courses, and Students.

A green button at the top right labeled '+ Add Center' is highlighted with a red arrow. A tooltip says: "This button is for adding a new center".

To the right of the table, a tooltip says: "Once you click on centers you will be getting list of centers and an option to add a new center".

The table lists four centers:

Center Name	Center Code	
International Institute of Information Technology, Bangalore	IIITB	
International Institute of Information Technology, Hyderabad	IIITH	
Indian Institute of Technology, Mumbai	IITB	
Indian Institute of Technology, Chennai	IITM	

Below the table are navigation buttons: « Previous, 1, Next ».

A red arrow points to the three icons in the last row of the table, with a tooltip: "These three buttons are for view, edit and delete that center".

Screenshot of the ExamAdmin application showing the 'Add Center' modal.

The top navigation bar and header are identical to the previous screenshot.

The modal title is 'Add Center'.

The form fields are:

- Center Name \*: Input field containing 'Dummy'.
- Center Code \*: Input field containing 'dummy'.
- Center Capacity: Input field containing '100'.

A red arrow points to the green 'Add Center' button at the bottom right of the modal.

A tooltip next to the button says: "This is the screen that pops up if you click Add Center Button".

Below the button, another tooltip says: "Click this to add the center with the details filled above".

Screenshot of the ExamAdmin application interface showing the 'Centers' page.

The page title is 'ExamAdmin' and the URL is 'localhost:4200/centers'. The top navigation bar includes links for Apps, Download, Draw-S/W, ICICI, IITB, CP, OFF-CAMPUS, MOOCs, DevFest, OAES, PlaceComm, and Other bookmarks.

The main content area displays a table of centers:

Center Name	Center Code	Actions
International Institute of Information Technology, Bangalore	IIITB	
International Institute of Information Technology, Hyderabad	IIITH	
Indian Institute of Technology, Mumbai	IITB	
Indian Institute of Technology, Chennai	IITM	
Dummy	dummy	

A message at the bottom left says 'The new Center is Added' with a red arrow pointing to the 'dummy' row.

Screenshot of the ExamAdmin application interface showing the 'centerview/1' page.

The page title is 'ExamAdmin' and the URL is 'localhost:4200/centerview/1'. The top navigation bar includes links for Apps, Download, Draw-S/W, ICICI, IITB, CP, OFF-CAMPUS, MOOCs, DevFest, OAES, PlaceComm, and Other bookmarks.

The main content area displays 'Center Details' for the International Institute of Information Technology, Bangalore:

Center Name: International Institute of Information Technology, Bangalore
Center Code: IIITB
Center Capacity: 1000

The View of the center will show all the details of the Center Like Name, Code and Capacity

ExamAdmin    x    +

localhost:4200/centerupdate/1

Apps Download Draw-S/W ICICI IITB CP OFF-CAMPUS MOOCs DevFest OAES PlaceComm Other bookmarks

Exam Administrator Exam Drives Centers Courses Students

### Update Center Details

Center Name \*

International Institute of Information Technology, Bangalore

Center Code \*

IIITB

Center Capacity

1000

**Update Center Details**

Edit of a Cennter is very similar to view, but with editable fields, so that you can update any changes

ExamAdmin    x    +

localhost:4200/centers

localhost:4200 says

Are you sure to delete the Dummy center?

Cancel OK

Add Center

Search here...

Center Name	Center Code
International Institute of Information Technology, Bangalore	IIITB
International Institute of Information Technology, Hyderabad	IIITH
Indian Institute of Technology, Mumbai	IITB
Indian Institute of Technology, Chennai	IITM
Dummy	dummy

## Courses

Screenshot of the ExamAdmin application interface showing the 'Exam Drives' section.

The top navigation bar includes links for Apps, Download, Draw-S/W, ICICI, IITB, CP, OFF-CAMPUS, MOOCs, DevFest, OAES, PlaceComm, and Other bookmarks.

The main content area features a green button labeled "Click here to see all the registered courses and their details" with a red arrow pointing to it. Below this is a search bar with placeholder text "Search here..." and a yellow "Import Marks" button.

A second search bar below has placeholder text "Enter Key for import of Question Papers" and a yellow "Import Question Papers" button.

A table lists three exam drives:

Drive	Course	Status	Actions
Test	dbms_101	COMPLETED	[View, Edit, Delete]
Improvement Examination	dbms_101	NOT_STARTED	[View, Edit, Delete]
End Term Examination	dm_102	IN_PROGRESS	[View, Edit, Delete]

Screenshot of the ExamAdmin application interface showing the 'Courses' section.

The top navigation bar includes links for Apps, Download, Draw-S/W, ICICI, IITB, CP, OFF-CAMPUS, MOOCs, DevFest, OAES, PlaceComm, and Other bookmarks.

The main content area features a green button labeled "+ Add Course" with a red arrow pointing to it. Below this is a search bar with placeholder text "Search here..." and a label "List of all the courses".

A table lists three courses:

Course Name	Course Code	Actions
DBMS	dbms_101	[View, Edit, Delete]
Data Modelling	dm_102	[View, Edit, Delete]
Design Patterns	dp_103	[View, Edit, Delete]

Navigation controls at the bottom include "Previous" and "Next" buttons, a page number "1", and a dropdown for "Items Per Page" set to 25. A red arrow points to the "Edit" icon in the third course's row, with the text "These three buttons against each course are to view, edit or delete a course".

Screenshot of the 'Add Course Details' form in ExamAdmin:

The form has fields for Course Name (New Course) and Course Code (new). A green button labeled 'Add Course' is at the bottom.

A red arrow points from the text "To add the course with the given details. Code must be unique" to the 'Add Course' button.

To add the course with the given details.  
Code must be unique

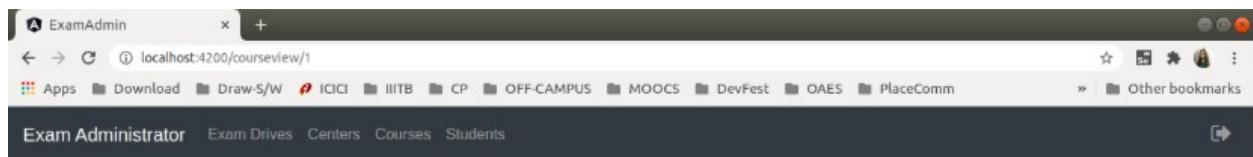
Screenshot of the 'Courses' page in ExamAdmin:

The page shows a list of courses with columns for Course Name and Course Code. A search bar is at the top.

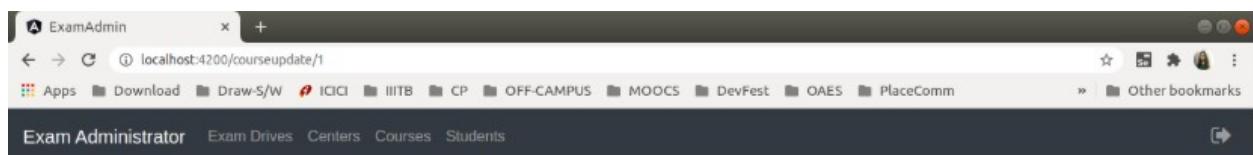
Course Name	Course Code	Action		
DBMS	dbms_101			
Data Modelling	dm_102			
Design Patterns	dp_103			
New Course	new			

A red arrow points from the text "The new course is added" to the 'New Course' row.

The new course is added



View of a Particular Course, shows all the properties of the course



Update Course Details

Click this to Update Details

Edit of the course, with all the properties of the course, which are editable to update any course if required

A screenshot of a web browser window titled "ExamAdmin" at "localhost:4200/courses". The main content shows a table of courses with columns "Course Name" and "Course Code". A modal dialog box is overlaid on the page, displaying the message "localhost:4200 says Are you sure to delete the Design Patterns course" with "Cancel" and "OK" buttons. A red arrow points from the "OK" button to the "Delete" icon (red square with white trash bin) in the row for the "Design Patterns" course.

Course Name	Course Code
DBMS	dbms_101
Data Modelling	dm_102
Design Patterns	dp_103
New Course	new

« Previous 1 Next »

A screenshot of the same "ExamAdmin" application at "localhost:4200/courses". The course table now lists only three courses: DBMS, Data Modelling, and New Course. The "Design Patterns" course has been removed. A red arrow points from the text "You can see the The deleted Design Patterns Course is not showing up" to the empty row where the course used to be. The "Items Per Page : 25" dropdown is visible at the bottom right.

Course Name	Course Code
DBMS	dbms_101
Data Modelling	dm_102
New Course	new

You can see the The deleted Design Patterns Course is not showing up

« Previous 1 Next »

Items Per Page : 25

## Students

Screenshot of the ExamAdmin application interface showing the 'Exam Drives' section.

The top navigation bar includes links for Apps, Download, Draw-S/W, ICICI, IITB, CP, OFF-CAMPUS, MOOCs, DevFest, OAES, PlaceComm, and Other bookmarks.

The main menu has options for Exam Drives, Centers, Courses, and Students.

A prominent green button at the top right says "+ Add Exam Drive".

Below it, there are two input fields: "Enter Key for import of Marks" and "Enter Key for import of Question Papers", each with a corresponding "Import" button ("Import Marks" and "Import Question Papers").

A search bar is present with the placeholder "Search here...".

A table lists three exam drives:

Drive	Course	Status
Test	dbms_101	COMPLETED
Improvement Examination	dbms_101	NOT_STARTED
End Term Examination	dm_102	IN_PROGRESS

Each row in the table has four small icons for viewing, editing, deleting, and generating reports.

Screenshot of the ExamAdmin application interface showing the 'Examinees' section.

The top navigation bar includes links for Apps, Download, Draw-S/W, ICICI, IITB, CP, OFF-CAMPUS, MOOCs, DevFest, OAES, PlaceComm, and Other bookmarks.

The main menu has options for Exam Drives, Centers, Courses, and Students.

A prominent green button at the top right says "+ Add Student".

Below it, there are two buttons: "To add new Students" and "To set new auto-generated passwords to all the students", with an "Update Passwords" button next to the second one.

A search bar is present with the placeholder "Search here...".

A table lists five students:

Student Name	Roll Number	Stream
ABC	S1	CSE
ZYX	S2	ECE
Z	S3	ECE
Y	S4	
X	S5	

Each student row has three small icons for viewing, editing, and deleting.

An annotation points to the "ECE" entry for student Z with the text: "These three buttons are similar to before, to view, edit and delete student".

This is to add new students to the records

Add Student Details    Individual Addition of Student    Bulk Addition of Students

**Add Student**

Student Name \*  New To add single Student at once (Default Page)

Student Code \*  n To add multiple students at single go with an excel upload with details of all the students

Branch  Student's Branch

Email-id  n@iitb.org

College  IITB

To add Student with the details filled above

**Add Student**

Add Student Details    Individual Addition of Student    Bulk Addition of Students

**Add Bulk of Students**

This is where we can add many students in single go with excel upload

Upload an Excel Sheet with all the student details by downloading the template file, the required details of the students are in the format given below.

Fields with \* are mandatory

On click of this button, will download an excel with all the headers in which the data is to be filled to add all Students Properly

**Template File**

Name *	Code *	Branch	Email	College
Student's Name	Student's Roll Number	Student's Branch	Student's Email-id	Student's College

Upload the required file by browsing the file here

**Choose file** Examinees.xlsx

**Add Students**

To add all the students in the excel to the records

- Addition of students either via individual add or via excel upload (bulk add), passwords will be randomly generated and can be updated (random password allocate) if required later.

**View of Student with all the student details**

**Student Details**

Name: ABC
Student Code: S1
Branch: CSE
Email-id: ABC@iitb.org
College: IITB

**All the completed exam drives in which this student participated and respective marks obtained in the drive - MARKS REPORT of Student**

Drive	Course	Exam Date	Exam Center	Marks Obtained
End Term Examination	dm_102	2020-10-23	IITB	15
Mid Term Examination	dbms_101	2020-09-23	IITB	17
Test	dbms_101	2020-12-02	IITB	2

« Previous Next »

Items Per Page : 25

**Update Student Details**

**Update student details - exactly same as view, but here the properties of student is editable, so any change in details can be updated**

Student Name *	X
Student Code *	S5
Branch	Student's Branch
Email-id	Student's Email-id
College	Student's College

**Drive Course Exam Date Exam Center Marks Obtained**

**Update Student Details**

On click of delete you will be asked to confirm, since the process is not reversible

localhost:4200 says  
Are you sure to delete the Y student?

Cancel OK

Student Name	Roll Number	Stream
ABC	S1	CSE
ZYX	S2	
Z	S3	ECE
Y	S4	
X	S5	
A	a	CSE
b	b	

Update Passwords

Exam Administrator Exam Drives Centers Course

localhost:4200 says  
Are you sure to update passwords of all Students?

Cancel OK

Add Student

On click of update passwords, will ask for confirmation and once you confirm, passwords of all the students are auto-generated and updated, for any further login, students will have to use new passwords

Update Passwords

Student Name	Roll Number	Stream
ABC	S1	CSE
ZYX	S2	
Z	S3	ECE
Y	S4	
X	S5	

## Pagination, Search, and Form Validation

- Pagination and Search features can be used at all the table views
- Form Validation is done at all the forms i.e., add and edit of any item

The screenshot shows a web browser window titled "ExamAdmin" with the URL "localhost:4200/examinees". The page has a dark header with links for "Exam Drives", "Centers", "Courses", and "Students". A green header bar contains a "Add Student" button and a search input field containing "cse". Below the search field is a note: "If you search for any string, all the objects will be filtered and shown". A red arrow points from this note to the search input field. The main content is a table with columns "Student Name", "Roll Number", and "Stream". It shows two rows: one for "ABC" with "S1" and "CSE", and another for "A" with "a" and "CSE". Each row has three icons in a red-bordered oval: a blue eye, a yellow pencil, and a red trash can. At the bottom, there are navigation buttons "« Previous", a blue "1", "Next »", and a "Items Per Page : 25" dropdown set to "25".

Student Name	Roll Number	Stream
ABC	S1	CSE
A	a	CSE

This screenshot shows the same "ExamAdmin" application with the URL "localhost:4200/examinees". The layout is identical to the first screenshot, including the header, green header bar, and table. However, the table data is different: it shows "ABC" with "S1" and "CSE", "ZYX" with "S2", and "Z" with "S3" and "ECE". The "Text" column for "Z" is highlighted with a red oval. The bottom of the page includes a note: "Set Numer of items per page and all the objects will re arrange accordingly" with a red arrow pointing to the "Items Per Page" dropdown, which is now set to "3".

Student Name	Roll Number	Stream
ABC	S1	CSE
ZYX	S2	
Z	S3	ECE

ExamAdmin

localhost:4200/courseadd

Course Name \*

N

Course Code \*

new

This Course Code is already taken

Add Course

Form error will show up even if there is any unique code violation, and asks to choose another

ExamAdmin

localhost:4200/courseadd

Course Name \*

Name of Course

Course Name Is Required

Course Code \*

Unique code of the Course

Add Course

If required field is missing while form submission, it will show what is missing and the error