



# EDULOGICAL

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## **BRIEF OVERVIEW -**

Edulogical is an initiative to make the information available regarding different opportunities associated with your interest of field. It is a website that will help students get well informed about different examinations, their details, resources like coaching, books etc associated with their streams..

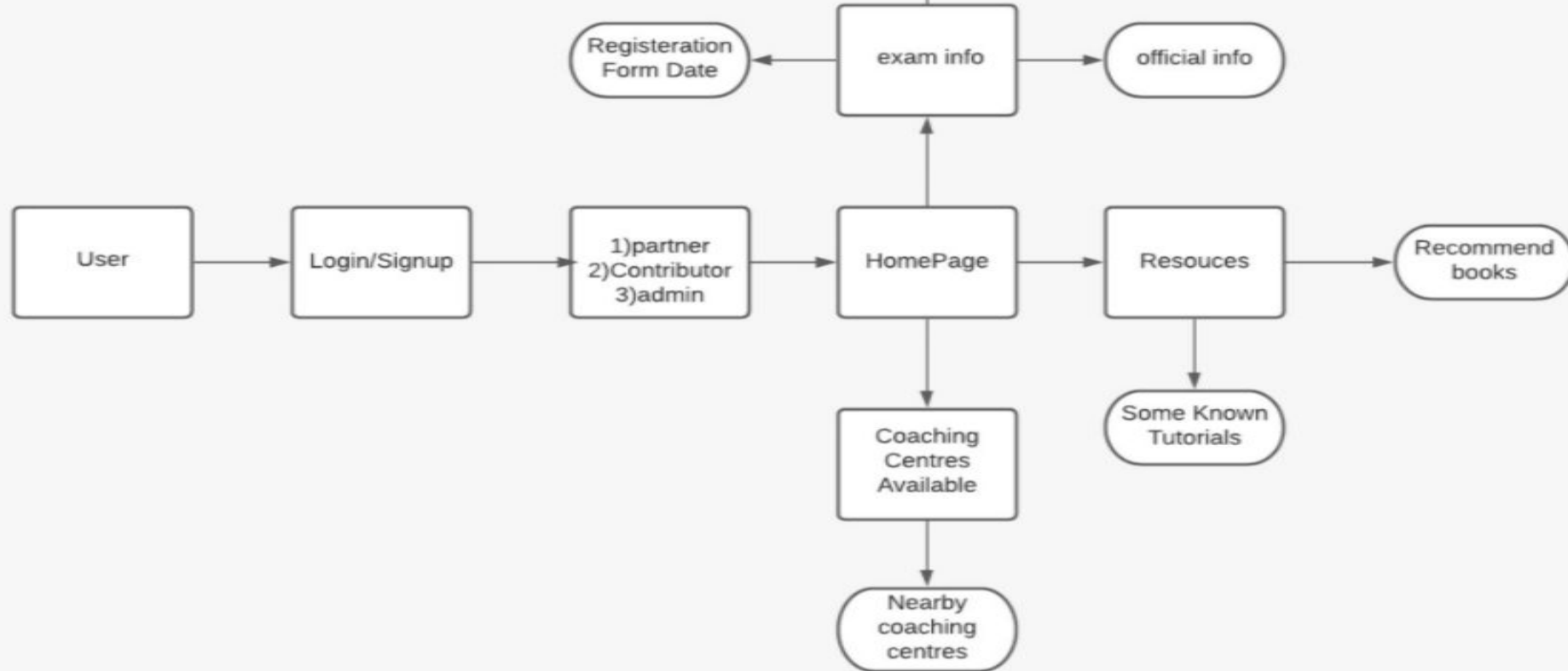


# MOTIVATION

The website is an outcome of the joint inspiration of I and my teammates to help the society by contributing in a way that a large number of people are benefitted.

The website, a saviour solution for this budding problem, helps students who are in school, college or affiliated with any other educational institution to get aware about every exam and opportunity associated with their field of interest.

# WORKFLOW “



# FRONT END DEVELOPMENT -

Our frontend is the interactive UI which is designed by html, css, javascript and bootstrap.

Our website have the following web pages - exam page, resources page, coaching page, contribution forms, contact and mission page. Homepage, consists of the about us, the trending resources and exams.

[HOME](#)[EXAMS](#)[COACHING](#)[RESOURCES](#)[CONTRIBUTE NOW ▾](#)[CONTACT US](#)[OUR MISSION](#)[Sign Up](#)[Login](#)A horizontal banner image. On the left, there is a stack of several old, thick books with yellowed pages. The background of the banner is a serene sunset or sunrise over a body of water, with a dark horizon line and a sky filled with soft, orange and pink clouds. The text "GET EXAM FULL GUIDANCE" is overlaid in the center-right of the image.

**GET EXAM FULL  
GUIDANCE**



## Exam, Resources and Coaching page :

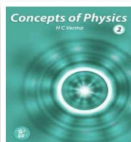
Exams, resources and coaching page contains the list of all the information related to the searched exam which is being fetched from backend (database).

Every book under resource has a link associated with its soft copy which is fetched by clicking read more button of that respective book .

And every page consists of navbar and footer for easy navigation.

## RESOURCES

Provided below is a list of all the best resources that will fully prepare you for your exam of interest, will make you more confident in your preparation, and will help you stand out from the crowd. Get all your resources in one place for a hassle-free preparation.



### CONCEPTS OF PHYSICS (VOL.1 AND 2)

By H.C. Verma

Subject : Physics

Quality problems on all topics of physics

Book edition : 2018

[READ MORE](#)


### PREP GUIDE TO BITSAT

By Arihant

Subject : PCM

Activate Windows  
Go to Settings to activate Windows.

## RESOURCES PAGE :

## Coaching Page :

## COACHING CENTRES

Provided below is a list of the most renowned coachings and their details that will definitely help you crack the exam that you aim for. The details include faculty members, addresses, contact, and email. Feel free to contribute if you know of any other great coaching for the exam.

### 1) AAKASH INSTITUTE

Faculty : Dr. Aayush(Physics) , Mrs. Radha(Chemistry), Mrs. Arundhati(Maths)  
have more than **(10-20) yrs years of Experience**

Our aim is to become one of the most admired brands in education sector and help the young aspirants to make their dream comes true through quality teaching , technology enabled systems and commitment.

Mainly expertise in All Non-Medical and Medical Subjects for JEE and other competitive exams exam

Contact number : undefined

Email address : [reach.us@aeslin](mailto:reach.us@aeslin)

Address : Sector 34A ,Chandigarh

[KNOW MORE](#)


Activate Windows  
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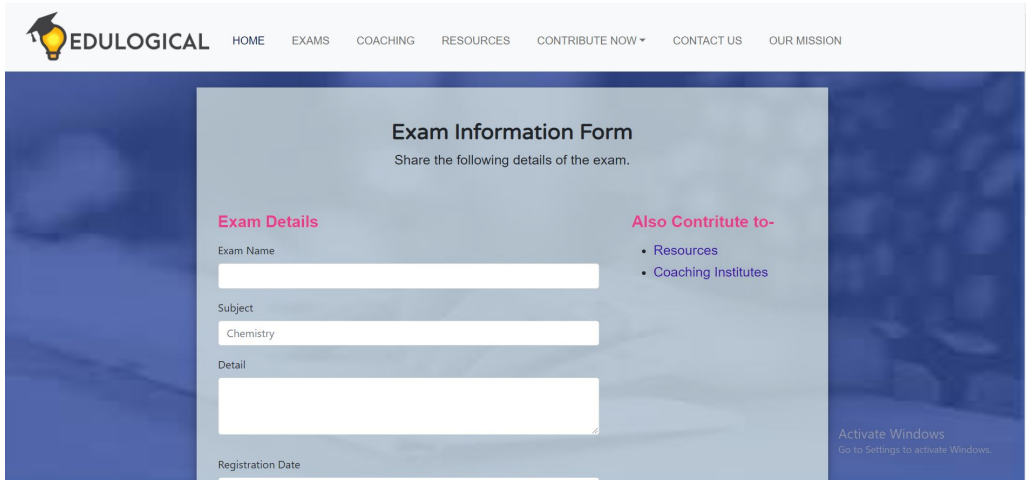
# Contribution forms :

Our website is a open source website where anyone can share any data which they have known but it hasn't been added till now.

We have included 3 different forms each for exam, resources and coaching.

When user wants to add any data he/she just have to go to contribution form and select the type of form and then after submitting the form the data will directly added to the their respective list.





The screenshot shows the 'Exam Information Form' on the EDULOGICAL website. The header includes the EDULOGICAL logo and navigation links: HOME, EXAMS, COACHING, RESOURCES, CONTRIBUTE NOW, CONTACT US, and OUR MISSION. The form is titled 'Exam Information Form' with the instruction 'Share the following details of the exam.' It is divided into two columns. The left column, titled 'Exam Details', contains three input fields: 'Exam Name', 'Subject' (with 'Chemistry' entered), and 'Detail'. The right column, titled 'Also Contribute to-', contains two bullet points: 'Resources' and 'Coaching Institutes'. At the bottom left, there is a 'Registration Date' label. At the bottom right, there is a Windows watermark that says 'Activate Windows Go to Settings to activate Windows.'

Contribution  
Form :

## Contact Us and mission page :

In the contact us page we have added the google maps for easy navigation. And a message box from where user can send direct message to our official mail.

The mission page provides insight about our mission and how we are working towards it.

# **BACK END DEVELOPMENT -**

Following tasks are happening in the backend -

- Creating API For Post & GET of coaching, resources & Exams
- Testing these Api's using Postman by manually adding data and then putting a get request(Get request is the request made for reading the data)
- Setting up a database account on mongoDB compass for viewing and editing(editing includes operations of Create, Read, Update & Delete)the data that the contributor will add to our site.

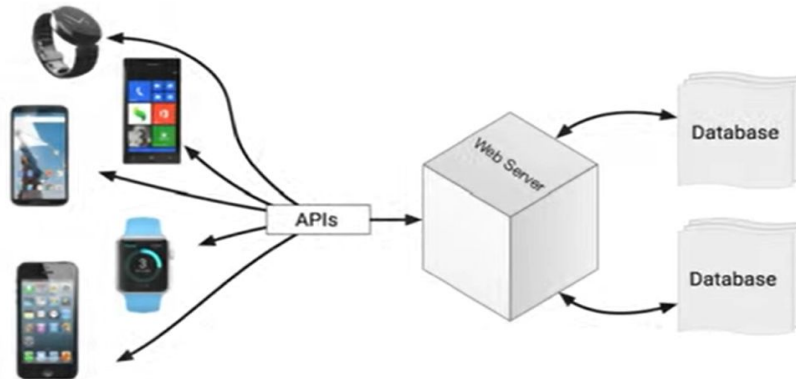
# PRINCIPLE BEHIND WORKING OF WHOLE BACKEND (REST API) -

## REST API

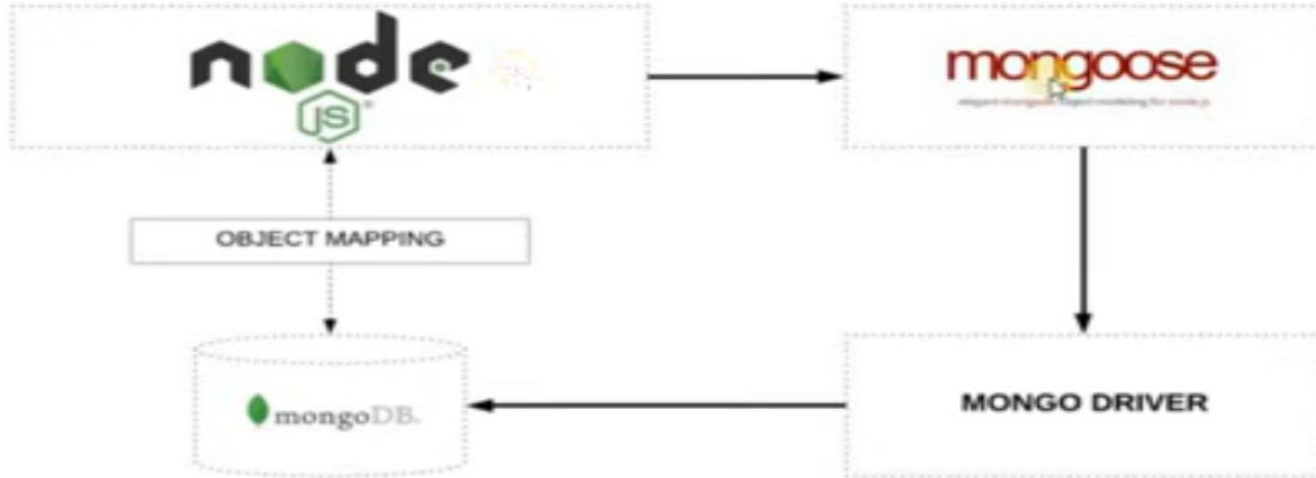
"REpresentational State Transfer" Application Programming Interface

It is a **software** that allows two applications to communicate with each other over the internet and through various devices. Every time you access an app like Facebook or check the weather on your smartphone, an API is used.

A **RESTful API** is an architectural style for an application program interface (API) that uses HTTP requests to access and use data. REST is not a programming language.



# WHAT IS HAPPENING ACTUALLY FOR CONNECTING OUR DATABASE TO OUR CODE WRITTEN IN VS CODE EDITOR -



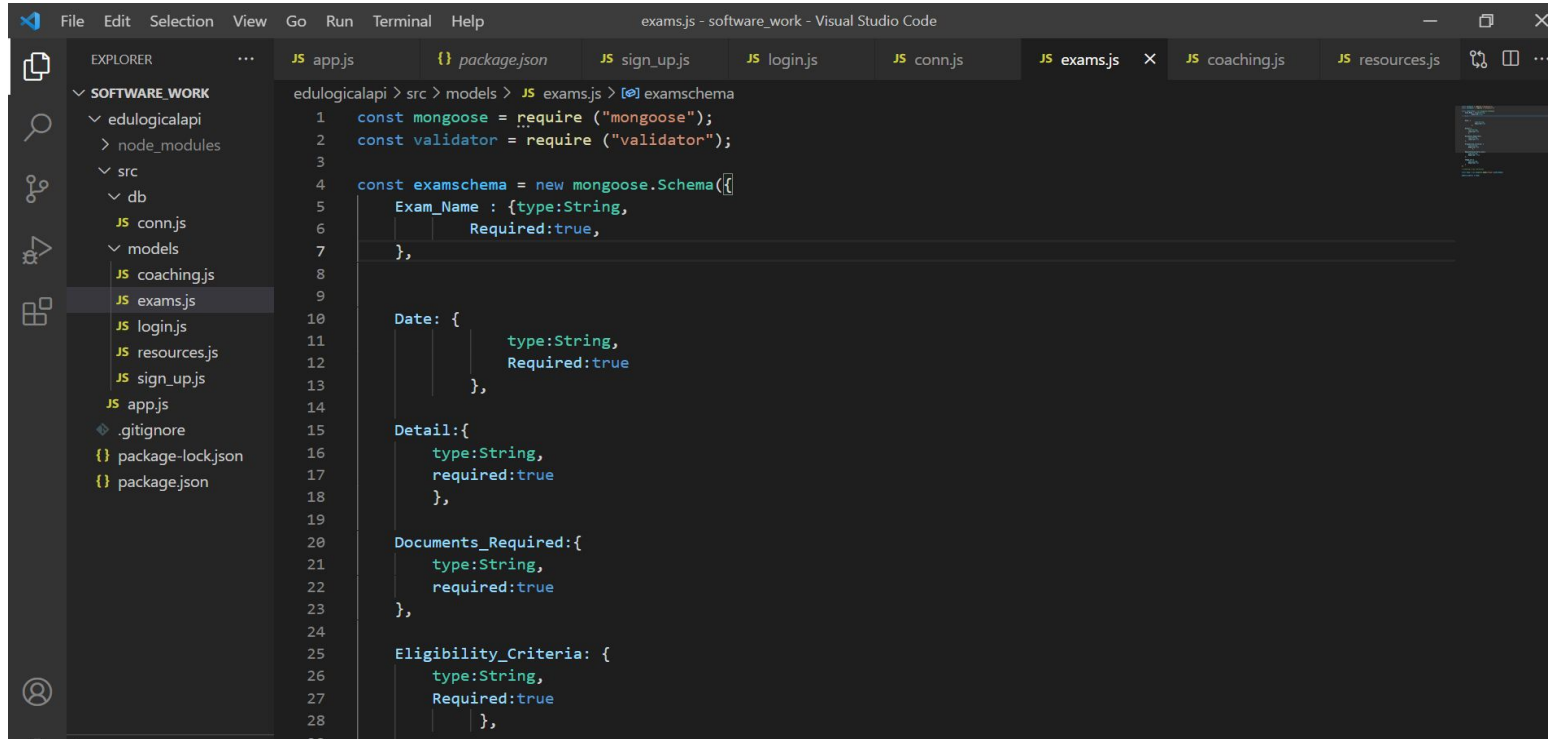
Object Mapping between Node and MongoDB managed via Mongoose

# HOW PARAMETERS VISIBLE IN DIFFERENT FORMS AVAILABLE ON WEBSITE ARE BEING MADE AND PUT TO WORK -

*The database account that we have created on mongoDB compass is now being connected with our code on visual studio using mongoose .*

*Now the next thing to do is to define the structure of our database(Also called SCHEMA in respect to DBMS).*

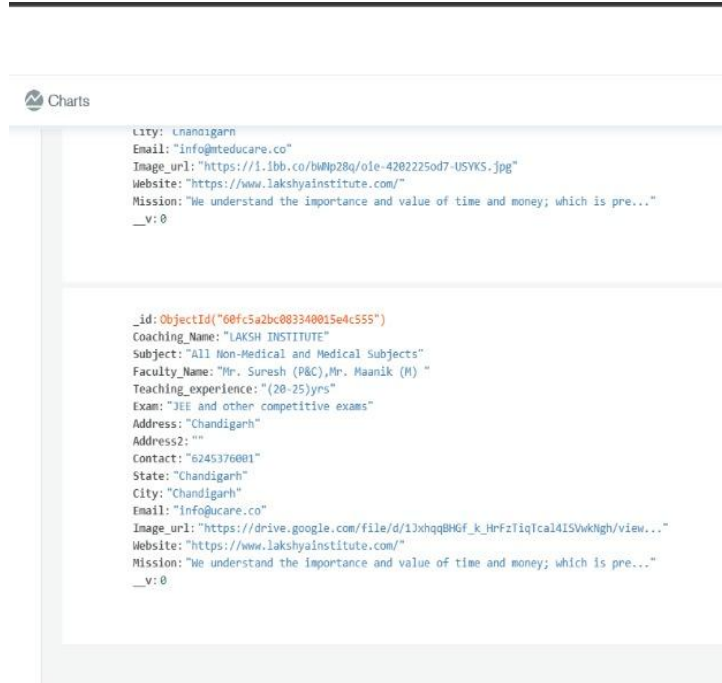
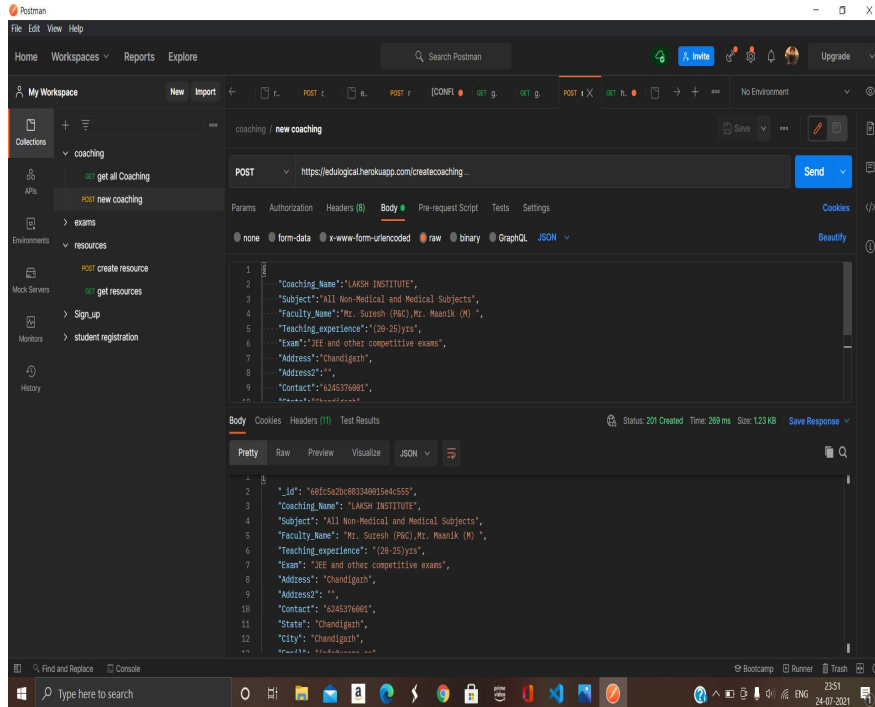
# DATABASE SCHEMA -



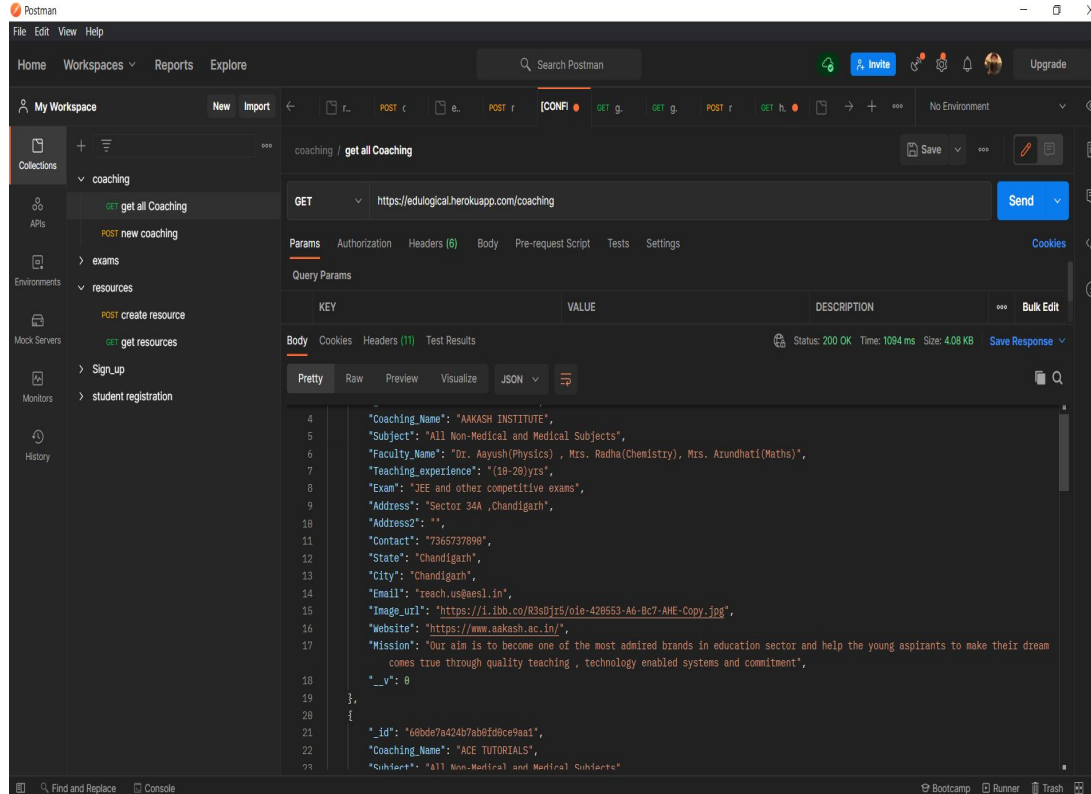
The image shows a Visual Studio Code editor window with the file `exams.js` open. The Explorer sidebar on the left shows the project structure for `SOFTWARE WORK`, including `edulogicalapi` with subdirectories `node_modules`, `src`, `db`, and `models`. The `models` directory contains several JavaScript files, with `exams.js` selected. The main editor area shows the code for `exams.js`, which defines a Mongoose schema for exams. The code includes imports for `mongoose` and `validator`, and defines a schema with fields for `Exam_Name`, `Date`, `Detail`, `Documents_Required`, and `Eligibility_Criteria`.

```
edulogicalapi > src > models > JS exams.js > [0] examschema
1  const mongoose = require ("mongoose");
2  const validator = require ("validator");
3
4  const examschema = new mongoose.Schema({
5    Exam_Name : {type:String,
6                  Required:true,
7    },
8
9
10   Date: {
11     type:String,
12     Required:true
13   },
14
15   Detail:{
16     type:String,
17     required:true
18   },
19
20   Documents_Required:{
21     type:String,
22     required:true
23   },
24
25   Eligibility_Criteria: {
26     type:String,
27     Required:true
28   },
29 }
```

# POSTING API - (DATA IS FLOWING FROM USER FORM TO DATABASE)



# CHECKING API'S USING POSTMAN AND POSTING SOME DATA MANUALLY TO CREATE COLLECTIONS IN DATABASE -

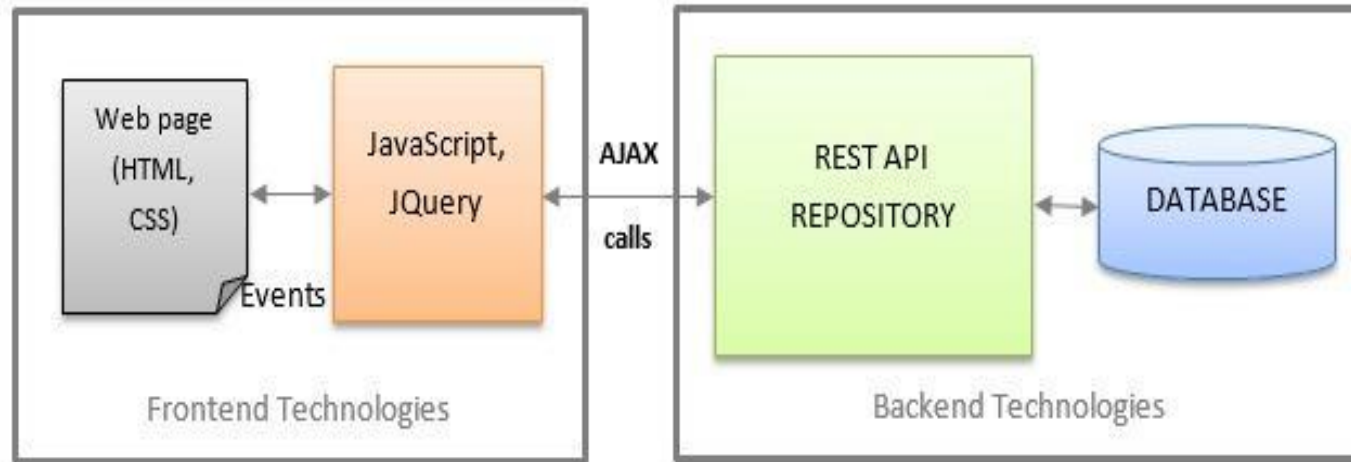




# DATA-BASE MANAGEMENT SYSTEM AND DATA FLOW

We are using MongoDB as our database management system -

The datasets are in JSON form



# INTEGRATION OF API'S WITH FORM -

```
File Edit Selection View Go Run Terminal Help examForm.html - Edulogical - Visual Studio Code

EXPLORER
EDUCOLOGICAL
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  img-5.png
  img-6.png
  img-7.png
  img-8.png
  instagram-icon.png
  linkedin-icon.png
  loader.gif
  login-bg.png
  logo.png
  logo2.png
  logoFooter1.png
  news-img.png
  search-icon.png
  students_exams.jpg
  twitter-icon.png
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  exams.html
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  login.html
  logo.png
  mission.html
  resources.html
  resourcesForm.html
  signup.html

OUTLINE
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<hr class="my-4">
<button class="w-75 btn btn-primary btn-lg mb-4 mx-auto" onclick="examFormApiCall()" type="submit">SUBMIT</button>
</form>
</div>
</main>
</div>
<script>
function examFormApiCall() {
  console.log("exam form data : ");
  var x = {
    Exam_Name: document.getElementById("formData")["Exam_Name"].value.toString(),
    Date: document.getElementById("formData")["Date"].value.toString(),
    Detail: document.getElementById("formData")["Detail"].value.toString(),
    Documents_Required: document.getElementById("formData")["Documents_Required"].value.toString(),
    Eligibility_Criteria: document.getElementById("formData")["Eligibility_Criteria"].value.toString(),
    Registration_Form_Link: document.getElementById("formData")["Registration_Form_Link"].value.toString(),
    Image_url: document.getElementById("formData")["Image_url"].value.toString(),
  };
  console.log(x);
  axios.post('https://edulogical.herokuapp.com/createexams', x)
    .then(function(response) {
      console.log(response);
      window.location.href = 'exams.html';
    })
    .catch(function(error) {
      console.log(error);
    });
}
</script>

<!-- footer section start -->
<div class="footer_section layout_padding">
  <div class="container-md">
    220
    221
    222
```

# EDULOGICAL APPLICATION

- The app is currently made for android phones.
- It is made using java language and is made in android studios.
- It is made by implementing web view and works by fetching data by the help of an internet



## ***Application Video***

