

# Database Proposal

## Team Members

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## Online Courses Website

The collection of data on Online Courses Website will contain all the instructor profile data with his added course list and all registered user details.

## Instructor Database proposal

```
{
  "_id": "sdwd2e2s-fd3r-e2e2-fwd2-ved3-wdwd9wmw7eh9j1l",
  "profile_picture": "instructor.jpeg",
  "name": "full name",
  "date_of_birth": "1/1/2000",
  "gender": "male",
  "age": "22",
  "Organization_Mail_Id": "abcde@stevens.edu",
  "address": "123 Hoboken",
  "contact_Number": 4212349384,
  "Social_media_profile": [
    "https://www.facebook.com/java",
    "https://www.linkedin.com/java"
  ],
  "course_details": {
    "_id": "ldwd2e2s-hd7h-e2e2-fwd2-ved3-wdwd9wmw7eh9j1l",
    "courses_name": "Advance Java",
    "course_description": "Welcome to the new Java language course",
    "course_link": ["https://www.youtube.com/java", "https://www.java.com/"],
    "add_course_notes": ["Java datatypes", "Java loops", "Java collections "]
  }
}
```

## Instructor

All the instructor's information stored in database, and instructor can insert multiple data into social media profile and course details fields.

Name	Type	Description
_id	ObjectId	Globally Unique Identifier
profile_picture	Image	Upload persons image
Name	String	Name of the Person
date_of_birth	Date	Persons date of birth
gender	String	Name the person gender
age	Number	Age of the person
Organization_Mail_Id	String	Person organization mail id
address	String	Address of the person
contact_number	Number	Persons contact number
Social_media_profile	Array	Persons social media details
Course_details	Array	Persons course details

## Users

The user collection will store all users' details. Users will be able to create personal profile data, Users can insert multiple data into social media profile and select course fields.

## User database proposal:

```
{
  "_id": "cswd2e2s-fd3r-e2e2-fwd2-ved3-wdwd9wmw7eh9jsd",
  "profile_picture": "user.jpeg",
  "name": "full name",
  "about_me_description": "I'm a graduate student.",
  "date_of_birth": "1/1/2000",
  "gender": "male",
  "age": "18",
  "Mail_Id": "abcde@gmail.com",
  "address": "124 Hoboken",
  "contact_Number": 5212349385,
  "Social_media_profile": [
    "https://www.facebook.com/java",
    "https://www.linkedin.com/java"
  ],
  "select_courses": ["course1", "course2"]
}
```

Name	Type	Description
_id	ObjectId	Globally Unique Identifier
profile_piture	Image	Upload persons image
name	String	Name of the Person

about_me_description	String	Person's introduction
date_of_birth	Date	Person's date of birth
gender	String	Name the person gender
age	Number	Age of the person
Mail_Id	String	Person mail id
address	String	Address of the person
contact_number	Number	Persons contact number
Social_media_profile	Array	Persons social media details
select_courses	Array	Persons course details

## Instructor Course Details

The course details data field stores all the instructor course related information with a unique id.

```
"course_details": {
  "_id": "ldwd2e2s-hd7h-e2e2-fwd2-ved3-wdwd9wmw7eh9j1l",
  "courses_name": "Advance Java",
  "course_description": "Welcome to the new Java language course",
  "course_link": ["https://www.youtube.com/java", "https://www.java.com/"],
  "add_course_notes": ["Java datatypes", "Java loops", "Java collections "]
}
```

Name	Type	Description
_id	ObjectId	Globally Unique Identifier
courses_name	String	Persons course name

courses_description	String	Persons course information
course_link	Array	Persons course available links
add_course_notes	Array	Providing persons course available notes

## Users Course Selection

The course selection data field stores all the users course selected related course information.

```
"select_courses": ["_id", "course1", "course2"]
```

Name	Type	Description
Select_courses	Array	Persons course selection