

Name: Rajan Timsina

Roll no: 38

6<sup>th</sup> sem

[Advance web technology]

[Assignment-2]

Wday: #



### \* Prisma:

Prisma is a tool called an ORM (Object Relational Mapper). It helps us work with database using JavaScript instead of writing raw SQL or MongoDB queries.

We define a model (e.g. quote) in a file, and Prisma creates the code needed to interact with the database.

### \* Express.js:

Express is a lightweight web server framework for Node.js. It allows us to create routes like API routes that respond to HTTP requests like GET and POST.

eg. `app.get('/api/quotes', (req, res) => { ... })`

### \* MongoDB

MongoDB is a NoSQL database that stores data in JSON-like documents. It's flexible and doesn't require a strict structure like SQL databases.

We used MongoDB Atlas, a free cloud-based version, for this project.



updf



## \* [JSON API]

A JSON API returns data in JSON format this makes it easy to use in frontend JavaScript.

res

data

```
{
  "text": "Be yourself", "author": "Oscar Wilde"
}
```

}

## \* fetch()

fetch() is a JavaScript function that lets us get data from a server.

eg:

```
fetch('api/quotes')
```

- then (res  $\Rightarrow$  res.json())

- then (data  $\Rightarrow$  2) \* display data (3)

It's how the browser talks to the backend.