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Final Report
On
Tutorial Point
By
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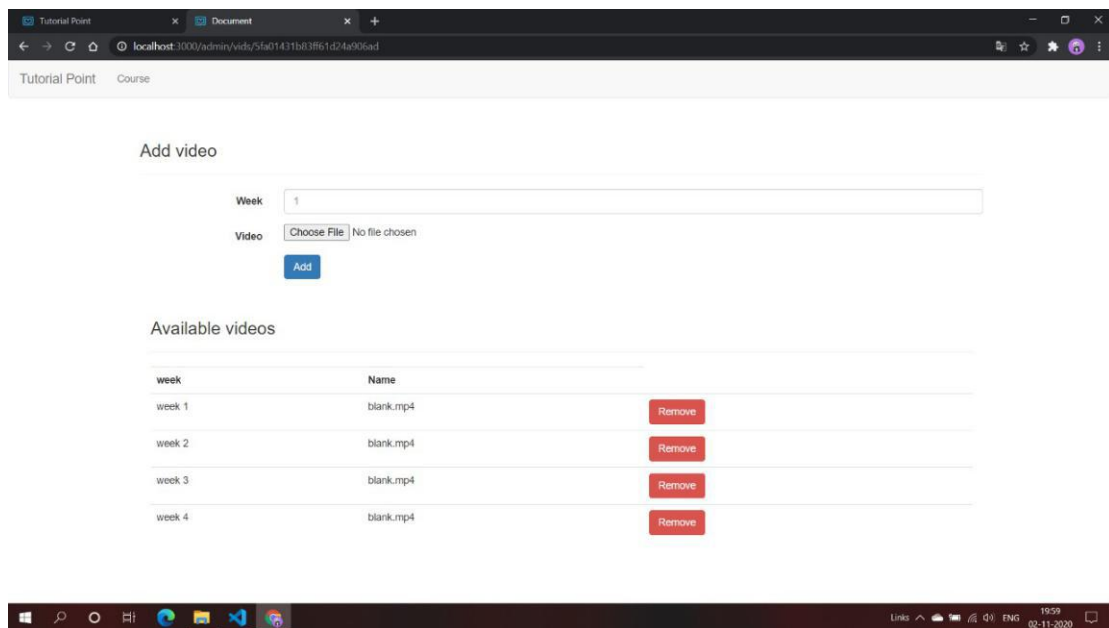
Submitted to: Neha Sharma

Introduction to Project

Tutorial point is an e-learning platform where a user can have access to various courses which includes videos, reading material and other basic information about the courses. Its an free e-learning platform where a user can create their account and login to the website.

Modules:

Admin:



Tutorial Point Admin

localhost:3000/admin

About

Prerequisite

Length 5 weeks

Effort 4 hour/week

Subject Data structures

Level Intermediate

Language English

Add

19:59 02-11-2020

In this module admin can add course content and details about that course. Which a user can access in the dashboard. Content includes videos, reading material and other information about the course.

Tutorial Point

Document

+

localhost:3000/admin/videos/5fa01431b63ff61d24a906ad

Tutorial Point Course

Add video

Week

1

Video

Choose File

No file chosen

Add

Available videos

week	Name	
week 1	blank.mp4	Remove
week 2	blank.mp4	Remove
week 3	blank.mp4	Remove
week 4	blank.mp4	Remove

Tutorial Point

Document

+

localhost:3000/admin/docs/5fa01431b63ff61d24a906ad

Tutorial Point Course

Add Documents

Week

1

Documents

Choose File

No file chosen

Add

Available Documents

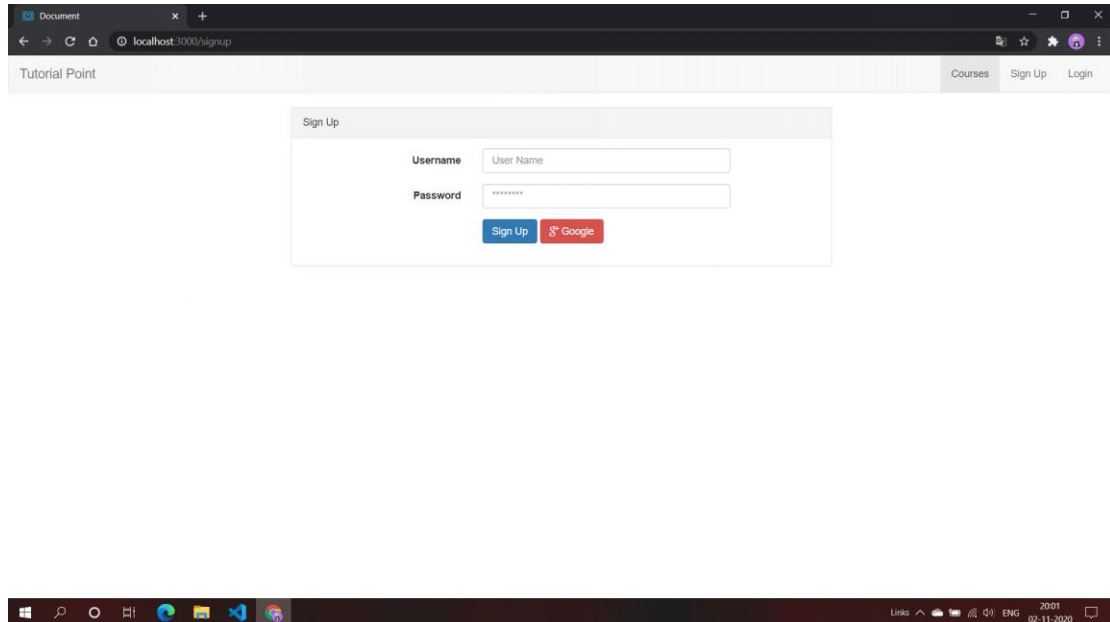
week	Name	
week 1	python.pdf.docx	Remove
week 2	python.pdf.docx	Remove
week 3	python.pdf.docx	Remove
week 4	python.pdf.docx	Remove

Index page:



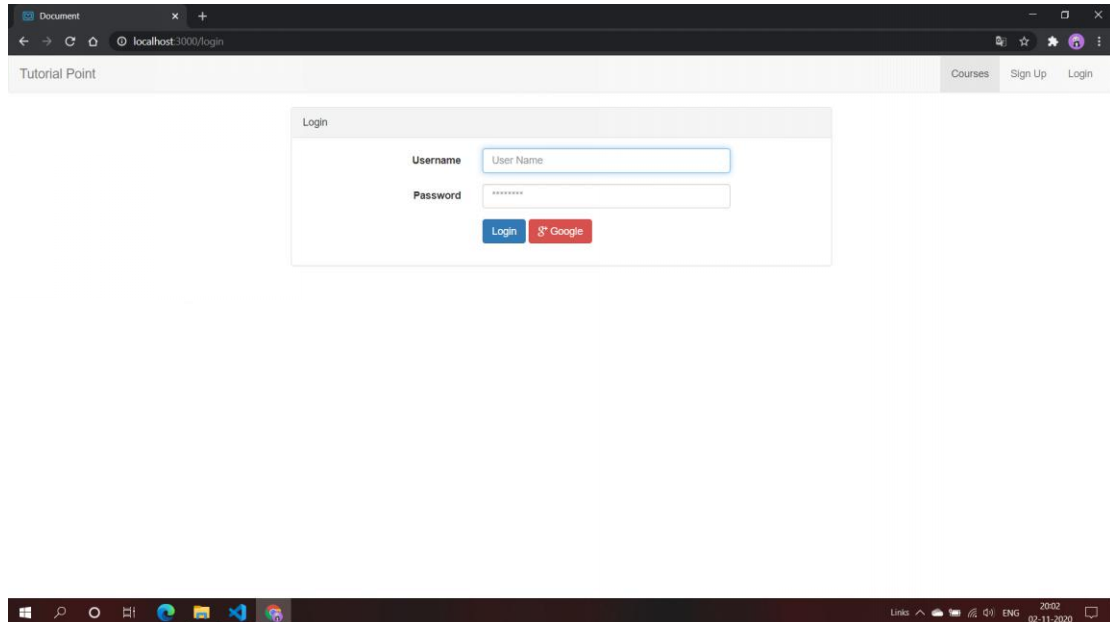
This is the index page of the website where user can see the available courses, designed in ejs templating language. A user can only access the courses after signing up to the website.

User signup:



In this module a user can sign up to the website and the credentials will be saved in the mongodb database. User can also sign up using google account.

User login:



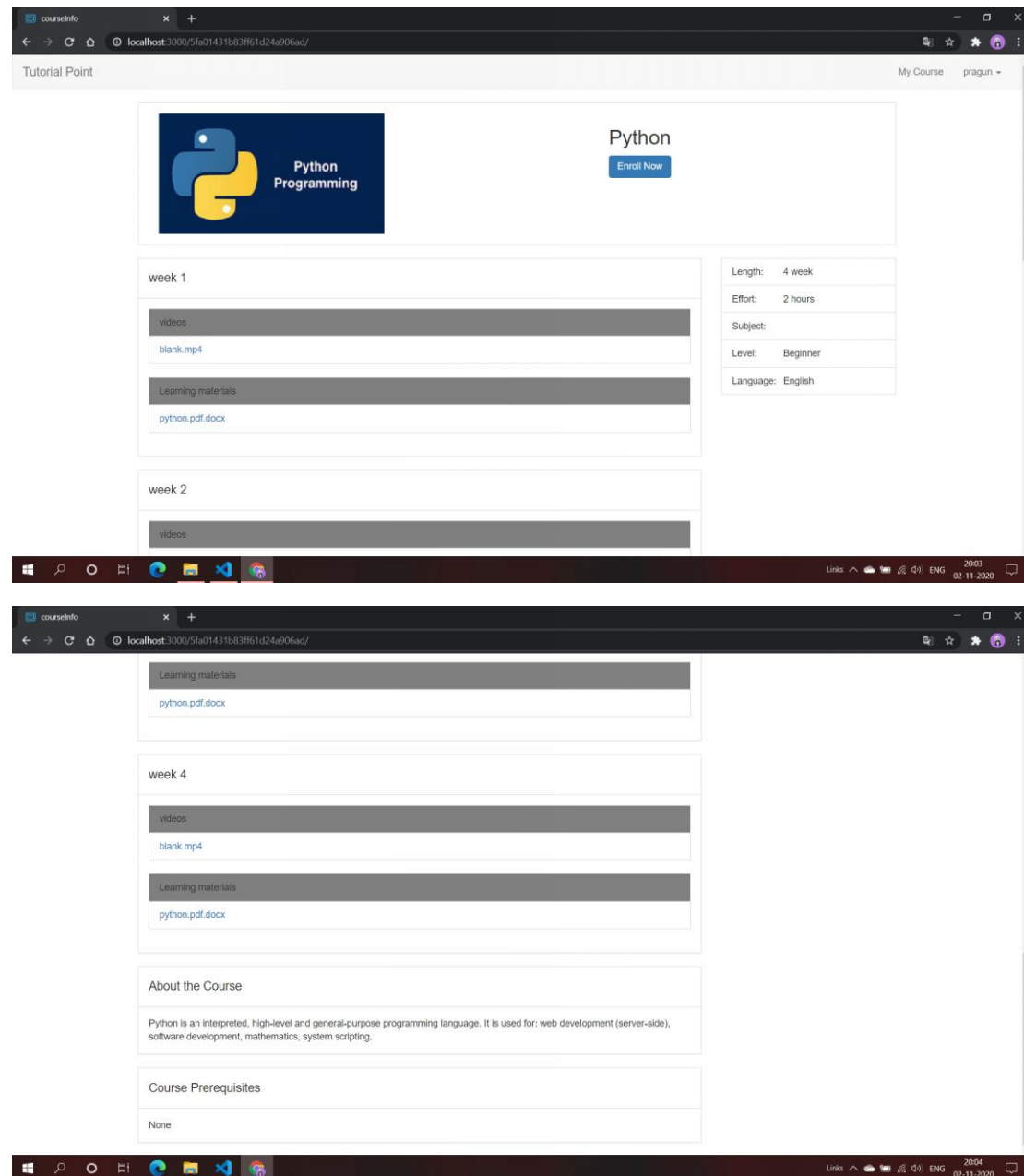
After sign up, user can login through this module. Passport authentication middleware is used for verification of the user.

Dashboard:



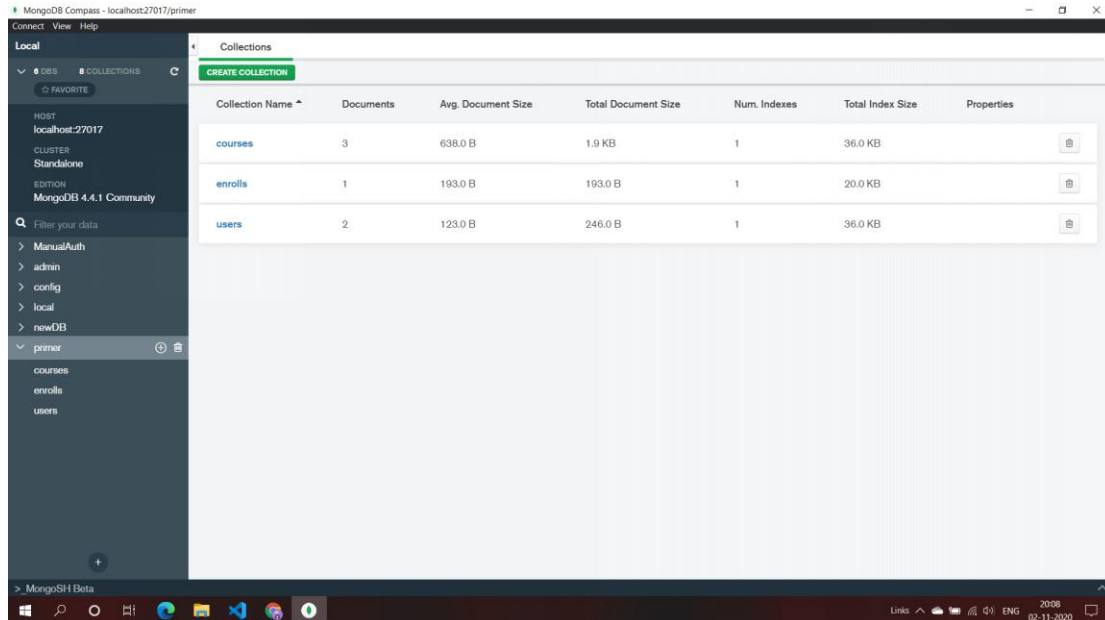
After signing in, a user dashboard will appear where the user can see the courses which were added by the admin and can enroll in the course.

For example:



From above we can see a python course of 4 week duration which includes videos and reading material of the course.

Mongo db database:

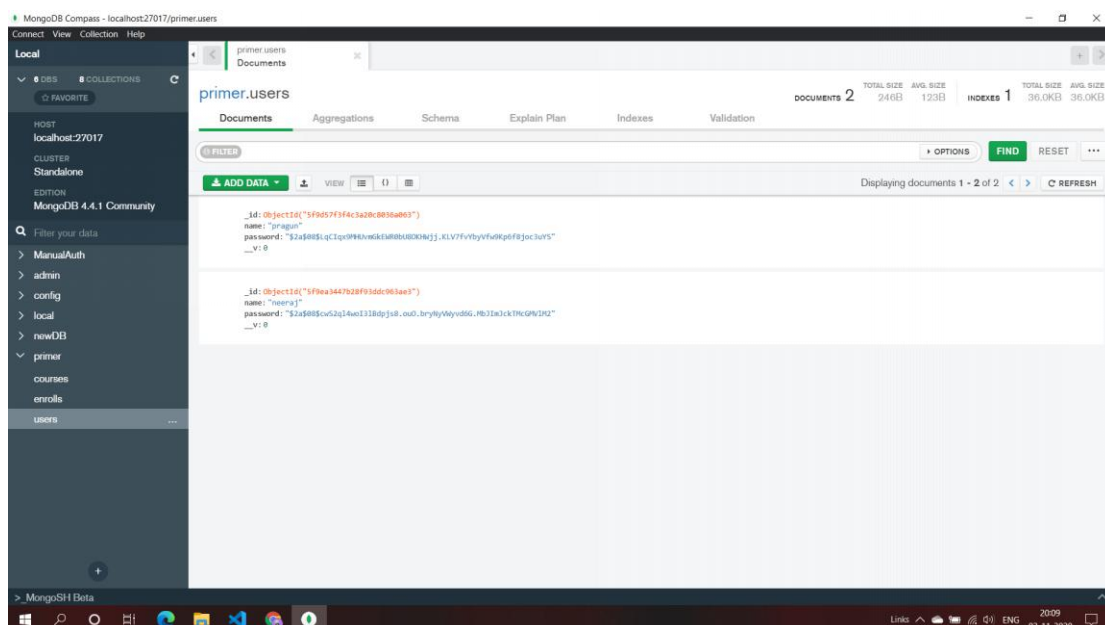


Collection Name	Documents	Avg. Document Size	Total Document Size	Num. Indexes	Total Index Size	Properties
courses	3	638.0 B	1.9 KB	1	36.0 KB	
enrolls	1	193.0 B	193.0 B	1	20.0 KB	
users	2	123.0 B	246.0 B	1	36.0 KB	

This module shows the backend section of the database. All the verified users, added courses and the users who have enrolled in the courses are saved in the database.

Videos and reading material are stored in the local storage.

For example:



Document
<pre>{ "_id": "5f9d5f9f4c3a28c805a693", "name": "pragati", "password": "32a8851qC1qv9H4v6ck3M8B8000H4jJ.XLV7Fvbyvufg8f9jocv95", "...": "..." }</pre>
<pre>{ "_id": "5f9d5f9f4c3a28c805a694", "name": "neeraj", "password": "32a8851qC1qv9H4v6ck3M8B8000H4jJ.XLV7Fvbyvufg8f9jocv95", "...": "..." }</pre>

The two authenticated users are shown in the above module.

Web Language considered in project: -

1. Ejs--Embedded Java script template.
2. Node Js Express framework.
3. MongoDB Database.

Github :

<https://github.com/pragunS/Tutorial-website.git>