**RateMyCourses**

**Group members:**

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Collections

**User**

User:

Graphical user interface, text, application, email

Description automatically generated

{

“userID”: ObjectId(“624724bf974aef308ff7cc6a”),

“userName”: “JustAStudent”

“CourseReviews”: [ "62215a7ebd69a360a6193418", "62215a7ebds9a460a6193418"]

“ProfessorReviews”: [ "62215a7ebd69a360as193418", "62213a7ebds9a460a6193418" ]

“Restrict Status”: false,

“Profile Picture”: “<https://static01.nyt.com/images/2021/09/14/science/07CAT-STRIPES=webp>”

“role”: student

}

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| **userID** | **ObjectId** | Globally unique identifier  to represent the professor |
| **userName** | **String** | Name of the user |
| **CourseReviews** | **Array of CourseReview ID** | Collection of all the course review worte by the user |
| **ProfessorReviews** | **Array of ProfessorReview** | Collection of all the professor review worte by the user |
| **Restrict Status** | **Boolean** | Boolean flag indicates whether the user can write review |
| **Profile Picture** | **String** | Url of the picture |
| **role** | **String** | Role is either student or admin  Student role allow read/create/delete review/rating to courses/professors  Admin role allow insert new course and professor or delete Malicious comments created by student |

**Course**

**Graphical user interface, application

Description automatically generated**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| \_id | ObjectId | Globally unique identifier  to represent the course |
| course | String | Name of the Course |
| academicLevel | String | course academica level, such as undergraduate, graduate |
| courseOwner | String | Major Program |
| type | String | Elective course or Core course |
| gradingBasis | Array | Grading mode |
| units | Number | course total credits |
| description | String | Introduction about the detail of the course |
| typicalPeriodsOffered | Array | Term(s) that the course is offered |
| instructionalFormats | String | Teaching way |
| syllabus | String | Url of the syllabus |
| courseware | String | Url of the resource that are designed to be used to teach the course |
| count | Object of object | Total vote by users |
| picture | String | url of pictrue |
| metrics | subdocument | An object contains the metrics s of the course |
| courseReviews | Array of courseReview | subdocument |
| overallRating | Number | Avg of rating |

**CourseReview**

**Graphical user interface, text

Description automatically generated**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| username | String | username |
| userId | String | User id who wrote this review |
| courseId | String | Course id |
| comment | String | Comment text |
| metrics | subdocument | An object contains the metrics s of the course |

**Professor**

Professor: {

“\_id”: ObjectId(“624724af974aef308ff7cc6a”),

“professorName”: ​​“Patrick, Hill”,

“Introduction”: “Professor in the **Computer Science department** at [**Stevens Institute of Technology**](https://www.ratemyprofessors.com/campusRatings.jsp?sid=982)”

“rating”: 4.5,

“reviews” : ["62215a7ebd69a460a6193411", "62215a7ebd69a460a6193412"],

“courses” : ["62215a7ebd69a460a6193413", "62215a7ebd69a460a6193414"]

}

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | Description |
| **\_id** | **ObjectID** | Globally unique identifier  to represent the professor |
| **professorName** | **String** | Name of the professor |
| **rating** | **number** | Overall rating of the professor |
| **courses** | **Array of course objectId** | Courses taught by the professor |
| **reviews** | **Array of professor review objectId** | Collection of all the review for this professor |
| **picture** | **String** | Professor picture url |

**ProfessorReview**

ProfessoReview: {

“\_id”: ObjectId(“624724af974aef308ff7cc6b”),

“userId”: "62215a7ebd69a460a6193418",

“professorId”: "624724af974aef308ff7cc6a",

“comment”: “At first I thought Hill was super arrogant, and was about to give a low score. But now, having taken both CS546 and CS554, I think that these classes prepared me more than anything for the workforce. Even if the assignments can be a heavy load at times, nothing ever felt unfair. I've also thought Hill is likable now, despite my initial reaction.”

“rating”: 5

}

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| **\_id** | **ObjectId** | Globally unique identifier  to represent the review |
| **professorId** | **string** | The professor Id that comment is replaying to |
| **userId** | **string** | The user id that write this comment |
| **comment** | **string** | Student comment for the professor |
| **rating** | **number** | The rating that the user provided, range between(1-5) |