**Final Project Database Proposal**

**# Trek the World** – Team members

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**## Users**

The users collection will store all the users and their registered events. Users will be able to login, update their profile, search other people, and register/unregister an event. Tour guides can add and update events. Admins give access to guides and users.

```

{

    "\_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",

    "loginID": "vaishoog@gmail.com",

    "hashedpassword": "123@Stevens",

    "accessLevel": "admin",

    "fname": "Vaishnavi",

    "lname": "Gopalakrishnan",

    "location": "NY",

    "regdEvents": {

        "\_id": "c5d0fd67-7977-4fc5-9088-33d0347c932b"

        }

 }

```

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| \_id | string | A globally unique identifier to represent the user |
| loginId | string | A string field to represent unique email ID of the user |
| hashedPassword | string | A bcrypted string that is a hashed version of the user's password |
| accessLevel | string | A string field to represent the user's access level |
| fname | string | A string field to represent user's first name |
| lname | string | A string field to represent user's last name |
| location | string | A string field to represent location of the user |
| regdEvents | array | An array of user's registered events |

**### regdEvents (subdocument; not stored in a collection)**

This subdocument is used to describe the various events registered by the users and events assigned for the tour guides.

```

{

    "\_id": "5a5c4461-cdc9-4144-84f9-fcb278c5c122",

    "eventName": "Alps trekking"

}

```

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| \_id | string | A globally unique identifier to represent the event |
| eventName | string | A string field to represent the event name |

**## Events**

The events collection will store all the events created, creation details, tour guide details and registered user details.

```

{

    "\_id": "5a5c4461-cdc9-4144-84f9-fcb278c5c122",

    "eventName": "Alps trekking",

    "eventDesc": "Trekking the mountain Alps..."

    "createdBy":{

        "\_id": "c5d0fd67-7977-4fc5-9088-33d0347c932b"

        "fname": "Vaishnavi",

        "lname": "Gopalakrishnan"

    },

    "location": "NY",

    "tourGuide":{

        "\_id": "c5d0fd67-7977-4fc5-9088-33d0347c932b",

        "fName": "Francis",

        "lName": "Underwood"

    },

    "price": "100",

    "maxUsers": "50",

    "regdUsersCount": "27"

    "regdUsers":{

        "\_id": "c5d0fd67-cdf3-4fc5-cdk-33d0373874893",

        "fName": "Trevor",

        "lName": "Cardwell"

    },

    "eventDate": “Nov 29, 2019”,

    "eventStatus": “Yet to start”

}

```

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| \_id | string | A globally unique identifier to represent the event |
| eventNum | int | A unique integer field to represent event number |
| eventName | string | A string field to represent name for the event |
| eventDesc | string | A string field to represent description for the event |
| createdBy | array | An array to represent event creator profile |
| location | string | A string field to represent the location of the event |
| tourGuide | array | An array to represent tour guide profile |
| price | int | An integer field to represent the price for the event |
| maxUsers | int | An integer field to represent maximum number of users |
| regdUsersCount | int | An integer field to represent the number of registered users |
| regdUsers | array | An array to show all the registered users for the event |
| eventDate | date | A date field to represent the event date |
| eventStatus | string | A string field to represent the status of the event |

**### createdBy (subdocument; not stored in a collection)**

This subdocument is used to describe the event creator details.

```

{

    "\_id": "c5d0fd67-7977-4fc5-9088-33d0347c932b"

    "fname": "Vaishnavi",

    "lname": "Gopalakrishnan"

}

```

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| \_id | string | A globally unique identifier to represent the creator ID. |
| fName | string | A string field to represent the creator's first name |
| lName | string | A string field to represent the creator's last name |

**### tourGuide (subdocument; not stored in a collection)**

This subdocument is used to describe the event tour guide details.

```

{

    "\_id": "c5d0fd67-7977-4fc5-9088-33d0347c932b",

    "fName": "Francis",

    "lName": "Underwood"

}

```

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| \_id | string | A globally unique identifier to represent the guide ID |
| fName | string | A string field to represent the guide's first name |
| lName | string | A string field to represent the guide's last name |

**### regdUsers (subdocument; not stored in a collectionocument)**

This subdocument is used to describe the user details who have registered for the event.

```

{

    "\_id": "c5d0fd67-cdf3-4fc5-cdk-33d0373874893",

    "fName": "Trevor",

    "lName": "Cardwell"

}

```

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Description** |
| \_id | string | A globally unique identifier to represent the user ID |
| fName | string | A string field to represent the registered user's first name |
| lName | string | A string field to represent the registered user's last name |