

TimeWise Calendar Application

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Users

The Users Collection stores the users data along with relevant eventIds in their respective arrays.

The user's login id is the email address and the password is stored as a hashed password

```
User Collection {
  _id: ObjectId,
  first_name: String,
  last_name: String,
  email: String,
  password: String,
  Disability:boolean,
  Dob:date,
  Consent:boolean
  taskIds: [ObjectId],
  reminderIds: [ObjectId],
  notelds: [ObjectId],
  meetingIds: [ObjectId]
}
```

| Name | Type | Description |
|--------------------|---------|---|
| _id | string | A globally unique identifier to represent the user. |
| first_name | string | The user's first name. |
| last_name | string | The user's last name. |
| email | string | The user's email address, used as the login ID. |
| password | string | The user's password, stored as a hashed password. |
| Disability | boolean | Indicates if the user has any disability. |
| Dob | date | The user's date of birth. |
| Consent | boolean | Indicates if the user has given consent to use their data. |
| taskIds | array | An array of ObjectIds representing the user's task items. |
| reminderIds | array | An array of ObjectIds representing the user's reminder items. |
| notelds | array | An array of ObjectIds representing the user's note items. |
| meetingIds | array | An array of ObjectIds representing the user's meeting items. |

Tasks

This collection stores the details of the Tasks event created by the user

```
Task Collection {  
  _id: ObjectId,  
  title: String,  
  textBody: String,  
  dateCreated: DateTimeStamp,  
  dateAddedTo: DateTimeStamp  
  dateDueOn: DateTimeStamp  
  priority: Number,  
  tag: String,  
  checked: Boolean  
  type: "task"  
}
```

| Name | Type | Description |
|--------------------|----------|--|
| _id | string | A globally unique identifier to represent the task. |
| title | string | The title of the task. |
| textBody | string | The body of the text of the task. |
| dateCreated | datetime | The date and time when the task was created. |
| dateAddedTo | datetime | The date and time when the task was added to the collection. |
| dateDueOn | datetime | The date and time when the task is due. |
| priority | number | The priority of the task. |
| tag | string | The tag associated with the task. |
| checked | boolean | Indicates whether the task has been checked or not. |
| type | string | The type of the collection, which is "task". |

Reminder

This collection stores the details of the Reminders event created by the user

```
Reminder Collection {
  _id: ObjectId,
  title: String,
  priority: Number,
  textBody: String,
  tag: String,
  dateCreated: DateTimeStamp,
  dateAddedTo: DateTimeStamp
  dateDueOn: DateTimeStamp
  repeating: Boolean,
  repeatingCounterIncrement: Number,
  repeatingIncrementBy: String (Day| Week | Month | Year),,
  expired:Boolean
  repeatingGroup: ObjectId
  type: "reminder"
}
```

| Name | Type | Description |
|----------------------------------|---------------|---|
| _id | ObjectId | A globally unique identifier to represent the reminder. |
| title | String | The title of the reminder. |
| priority | Number | The priority of the reminder. |
| textBody | String | The body of the text of the reminder. |
| tag | String | The tag associated with the reminder. |
| dateCreated | DateTimeStamp | The date and time when the reminder was created. |
| dateAddedTo | DateTimeStamp | The date and time when the reminder was added to the collection. |
| dateDueOn | DateTimeStamp | The date and time when the reminder is due. |
| repeating | Boolean | Indicates whether the reminder is recurring or not. |
| repeatingCounterIncrement | Number | The amount to increment the repeating counter by. |
| repeatingIncrementBy | String | The unit to increment the repeating counter by (Day Week Month Year), |
| expired | Boolean | Indicates whether the reminder has expired or not. |
| repeatingGroup | ObjectId | A globally unique identifier to represent the group of reminders that share the same repeating pattern. |
| type | String | The type of the collection, which is "reminder". |

Notes

This collection stores the details of the Notes event created by the user

```
Note Collection {
  _id: ObjectId,
  title: String,
  dateCreated: DateTimeStamp,
  dateAddedTo: DateTimeStamp
  textBody: String,
  tag: String,
  documentLink: [String]
  type: "notes"

}
```

| Name | Type | Description |
|--------------|-----------------|---|
| _id | string | A globally unique identifier to represent the note. |
| title | string | The title of the note. |
| dateCreated | datetime | The date and time when the note was created. |
| dateAddedTo | datetime | The date and time when the note was added to the collection. |
| textBody | string | The body of the text of the note. |
| tag | string | The tag associated with the note. |
| documentLink | array of string | An array of links to external documents associated with the note. |
| type | string | The type of the collection, which is "notes". |

Meeting

This collection stores the details of the meeting event created by the user

```
Meeting Collection {
  _id: ObjectId,
  title: String,
  dateCreated: DateTimeStamp,
  dateAddedTo: DateTimeStamp,
  dateDueOn: DateTimeStamp,
  duration: String,
  priority: Number,
  textBody: String,
  tag: String,
  repeating: Boolean,
  repeatingCounterIncrement: Number,
  repeatingIncrementBy: String (Day| Week | Month | Year),
  expired:Boolean
  repeatingGroup: ObjectId
  type: "meeting"
}
```

| Name | Type | Description |
|----------------------------------|----------|--|
| _id | string | A globally unique identifier to represent the meeting. |
| title | string | The title of the meeting. |
| dateCreated | datetime | The date and time when the meeting was created. |
| dateAddedTo | datetime | The date and time when the meeting was added to the collection. |
| dateDueOn | datetime | The date and time when the meeting is due. |
| duration | string | The duration of the meeting. |
| priority | number | The priority of the meeting. |
| textBody | string | The body of the text of the meeting. |
| tag | string | The tag associated with the meeting. |
| repeating | boolean | Indicates if the meeting is repeating or not. |
| repeatingCounterIncrement | number | The unit to increment the repeating counter by (Day Week Month Year), |
| repeatingIncrementBy | string | The increment for the repeating meeting. |
| expired | boolean | Indicates if the meeting has expired. |
| repeatingGroup | string | The ID of the repeating group for the meeting. |
| type | string | The type of the collection, which is "meeting". |