

CP4485

Milestone 3: ERD Script - Repository Creation

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Each of these models plays a critical role in the functioning of the Task Management Dashboard, ensuring that users, teams, and tasks are effectively created, represented and managed within the database.

Task

Represents tasks that teams will manage.

```
server > models > JS task.js > taskSchema
1  const mongoose = require('mongoose');
2
3  const taskSchema = new mongoose.Schema({
4    title: {
5      type: String,
6      required: true
7    },
8    description: {
9      type: String
10   },
11   deadline: {
12     type: Date
13   },
14   priority: {
15     type: String,
16     enum: ['Low', 'Medium', 'High']
17   },
18   status: {
19     type: String,
20     enum: ['Backlog', 'In Progress', 'Completed'],
21     default: 'Backlog'
22 },
23   team: {
24     type: mongoose.Schema.Types.ObjectId,
25     ref: 'Team'
26   }
27 });
28
29 module.exports = mongoose.model('Task', taskSchema, 'tasks');
30
```

Team

Defines a team of multiple users (members).

```
server > models > JS team.js > teamSchema
1  const mongoose = require('mongoose');
2
3  const teamSchema = new mongoose.Schema({
4    name: {
5      type: String,
6      required: true
7    },
8    description: {
9      type: String
10   },
11   members: [{
12     type: mongoose.Schema.Types.ObjectId,
13     ref: 'User'
14   }]
15 });
16
17 module.exports = mongoose.model('Team', teamSchema, 'Team');
18
```

User

Represents members of a team.

```
server > models > JS user.js > ...
1  const mongoose = require('mongoose');
2
3  const userSchema = new mongoose.Schema({
4    name: {
5      type: String,
6      required: true
7    }
8  });
9
10 module.exports = mongoose.model('User', userSchema);
11
```