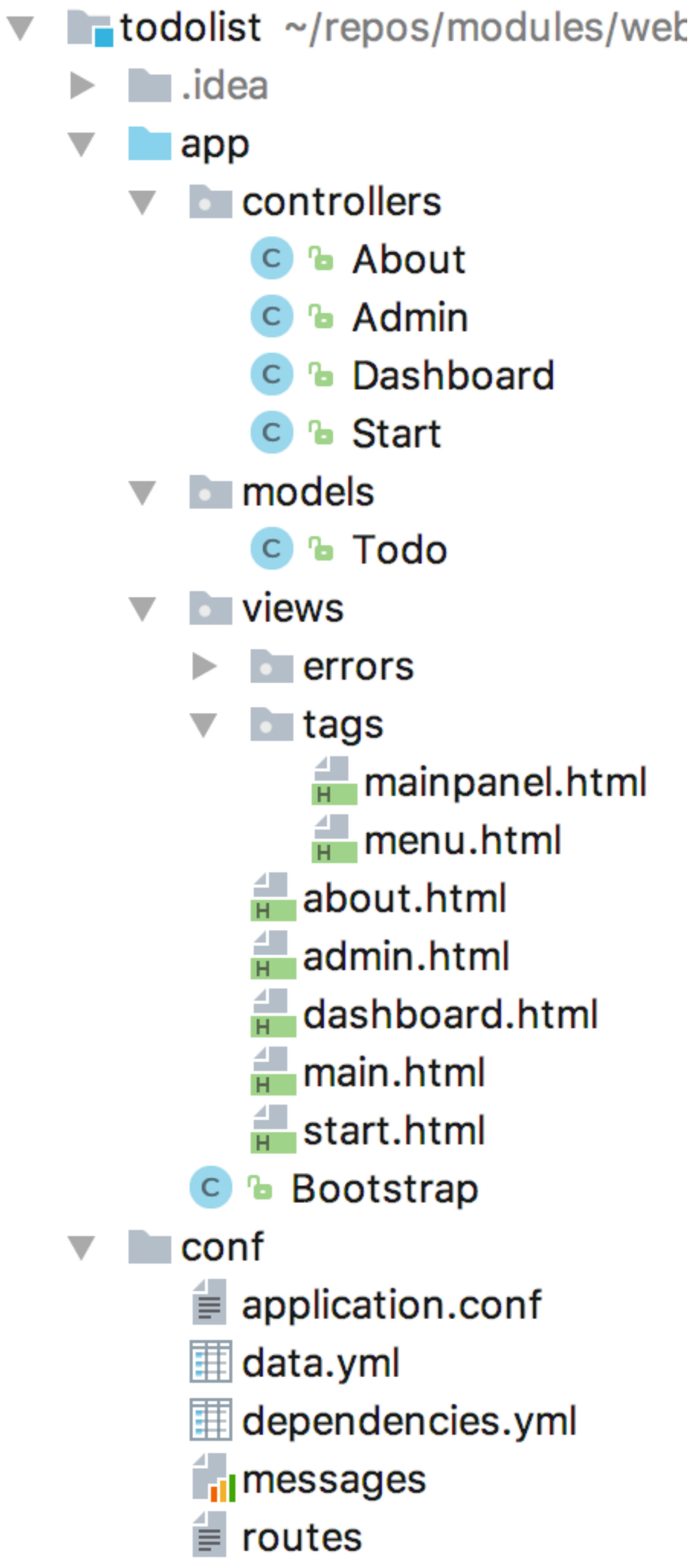
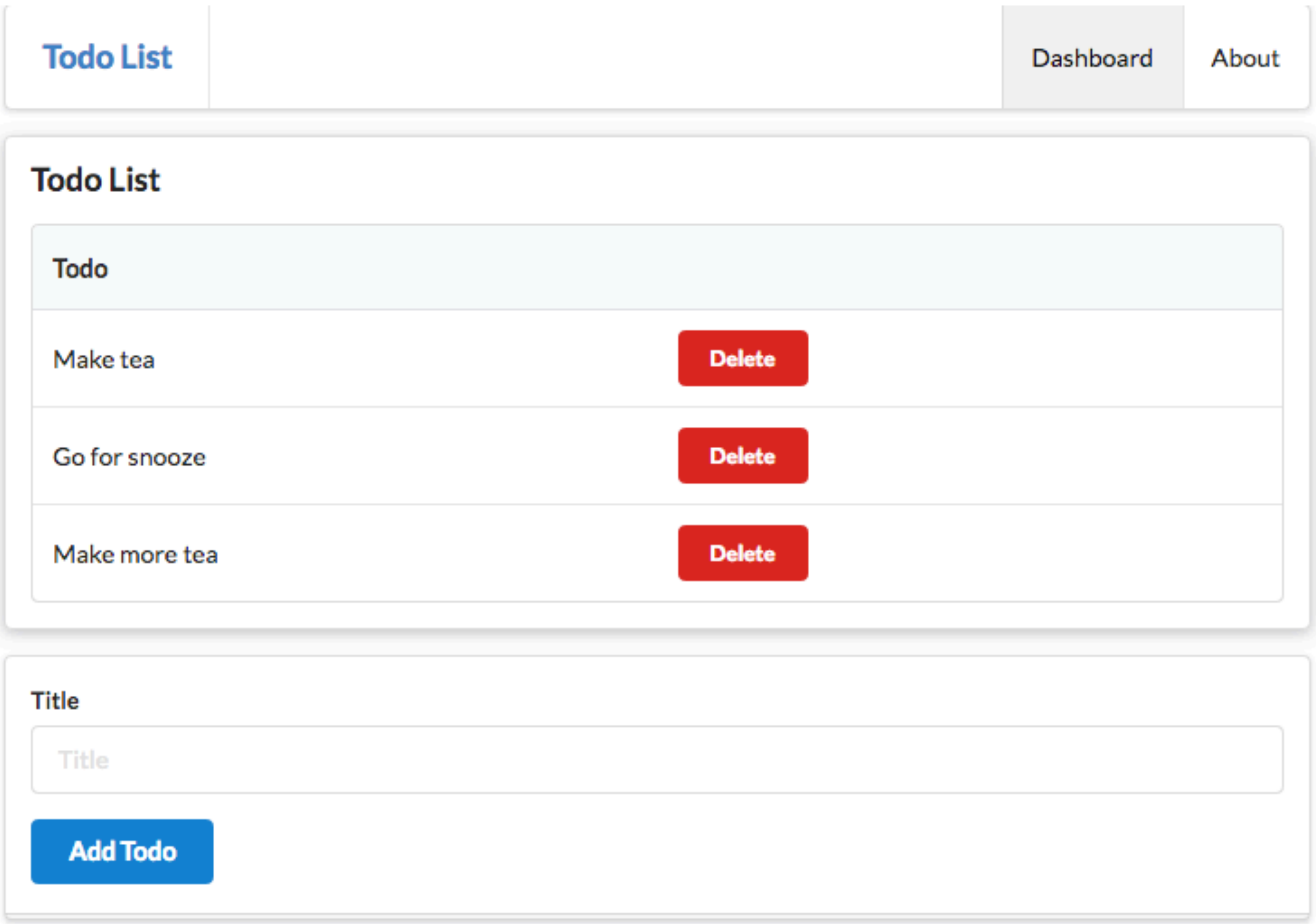
Todo Review

todolist app



```
todolist  ~/repos/modules/wek
  .idea
  app
    controllers
      About
      Admin
      Dashboard
      Start
    models
      Todo
    views
      errors
      tags
        mainpanel.html
        menu.html
      about.html
      admin.html
      dashboard.html
      main.html
      start.html
    Bootstrap
  conf
    application.conf
    data.yml
    dependencies.yml
    messages
    routes
```



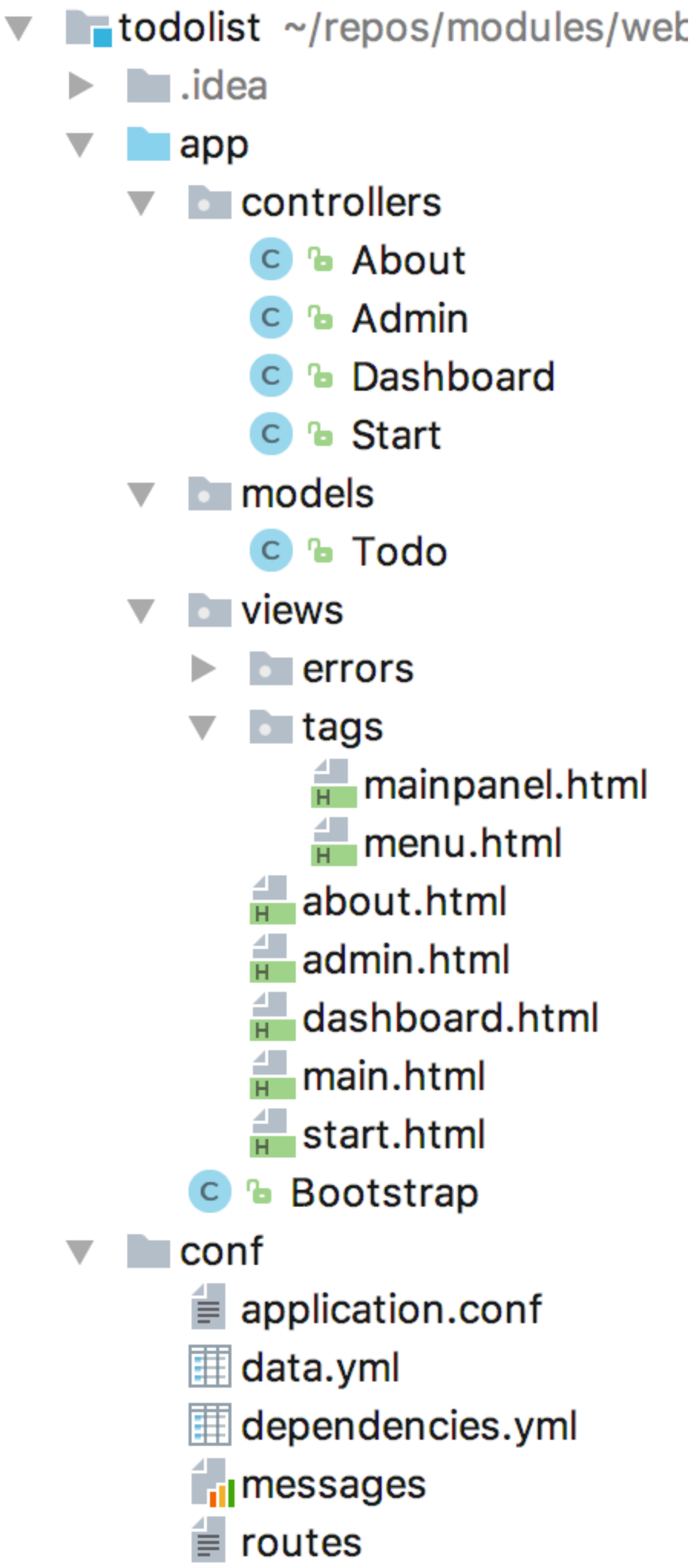
Todo List

Todo	
Make tea	Delete
Go for snooze	Delete
Make more tea	Delete

Title

Title

Bootstrap Model Seeding



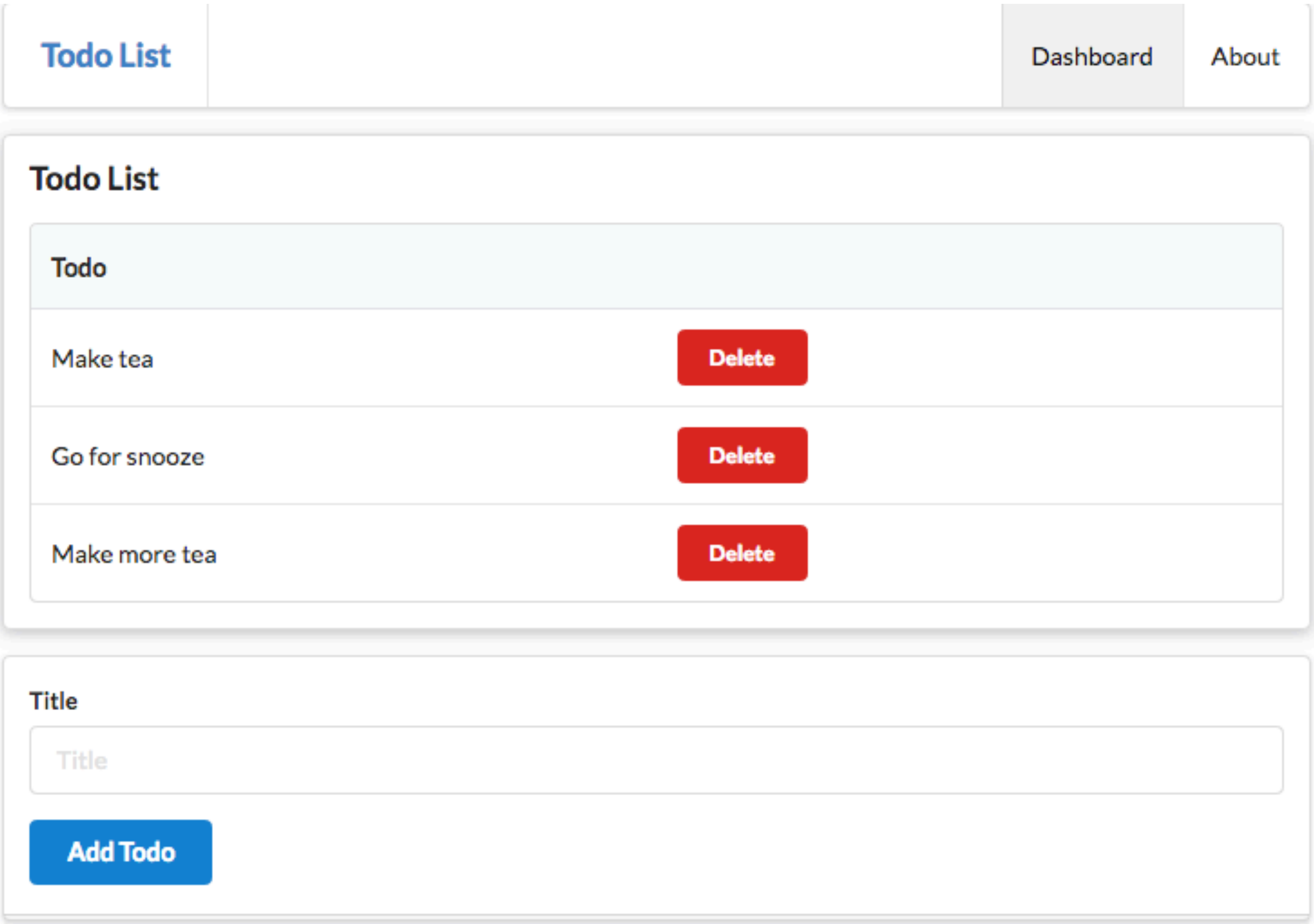
```
▼ todolist ~/repos/modules/wek
  ▶ .idea
  ▼ app
    ▼ controllers
        About
        Admin
        Dashboard
        Start
    ▼ models
        Todo
    ▼ views
      ▶ errors
      ▼ tags
          mainpanel.html
          menu.html
        about.html
        admin.html
        dashboard.html
        main.html
        start.html
      Bootstrap
  ▼ conf
      application.conf
      data.yml
      dependencies.yml
      messages
      routes
```

```
public class Bootstrap extends Job
{
  public void doJob()
  {
    Fixtures.loadModels("data.yml");
  }
}
```

```
Todo(t1):
  title: Make tea

Todo(t2):
  title: Go for snooze

Todo(t3):
  title: Make more tea
```

```
@Entity
public class Todo extends Model
{
  public String title;

  public Todo(String title)
  {
    this.title = title;
  }
}
```

Dashboard View



Todo List

Todo	
Make tea	Delete
Go for snooze	Delete
Make more tea	Delete

Title

Title

```
#{extends 'main.html' /}
#{set title:'Dashboard' /}

#{menu id:"dashboard"/}

<section class="ui raised segment">
  <header class="ui header">
    Todo List
  </header>
  <table class="ui fixed table">
    <thead>
    <tr>
      <th>Todo</th>
      <th></th>
    </tr>
    </thead>
    <tbody>
    <div class="ui bulleted list">
      #{list items:todolist, as:'todo'}
      <tr>
        <td> ${todo.title} </td>
        <td> <a href="/dashboard/deletetodo/${todo.id} " class="ui tiny red button"> Delete </a> </td>
      #{/list}
    </div>
    </tbody>
  </table>

</section>

<form class="ui stacked segment form" action="/dashboard/addtodo" method="POST">
  <div class="field">
    <label>Title</label>
    <input placeholder="Title" type="text" name="title">
  </div>
  <button class="ui blue submit button">Add Todo</button>
</form>
```

Dashboard Routes + Controller

```
GET     /dashboard                          Dashboard.index
POST    /dashboard/addtodo                  Dashboard.addTodo
GET     /dashboard/deletetodo/{id}          Dashboard.deleteTodo
```

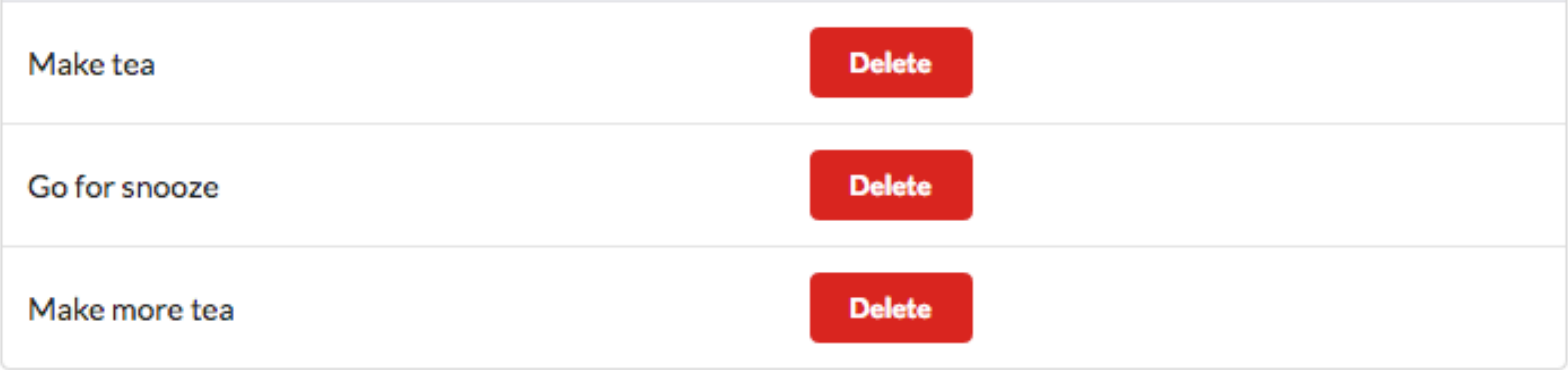
```java
public class Dashboard extends Controller
{
  public static void index()
  {
    Logger.info("Rendering Dashboard");
    List<Todo> todolist = Todo.findAll();
    render("dashboard.html", todolist);
  }

  public static void addTodo(String title)
  {
    Todo todo = new Todo(title);
    todo.save();
    Logger.info("Addint Todo" + title);
    redirect("/dashboard");
  }

  public static void deleteTodo(Long id)
  {
    Todo todo = Todo.findById(id);
    todo.delete();
    Logger.info("Deleting " + todo.title);
    redirect("/dashboard");
  }
}
```

Dashboard Index Action

```
GET     /dashboard                                 Dashboard.index
```

```
  public static void index()
  {
    Logger.info("Rendering Dashboard");
    List<Todo> todolist = Todo.findAll();
    render("dashboard.html", todolist);
  }
```

```
...
    <div class="ui bulleted list">
      #{list items:todolist, as:'todo'}
      <tr>
        <td> ${todo.title} </td>
        <td> <a href="/dashboard/deletetodo/${todo.id} " class="ui tiny red button"> Delete </a> </td>
      #{/list}
    </div>
    </tbody>
  </table>
…
```



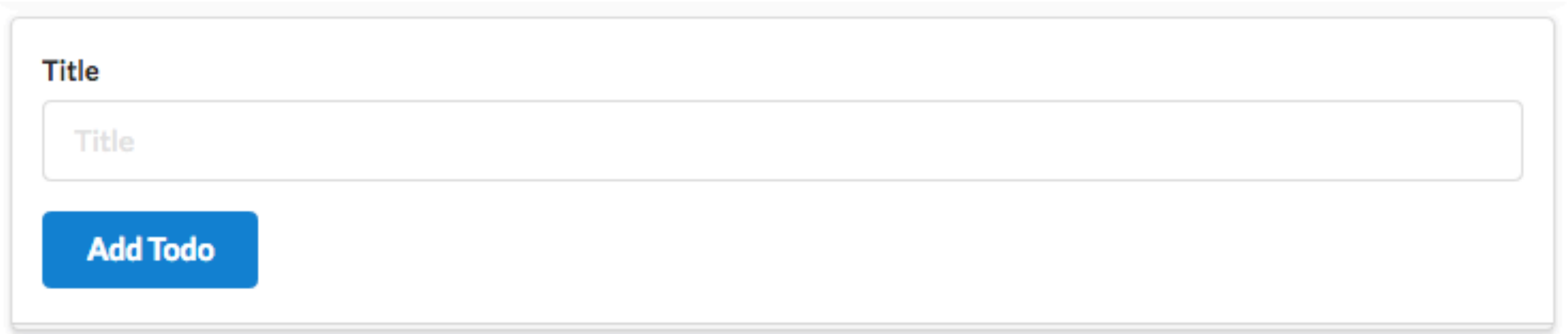
Make tea	Delete
Go for snooze	Delete
Make more tea	Delete

Dashboard addTodo Action

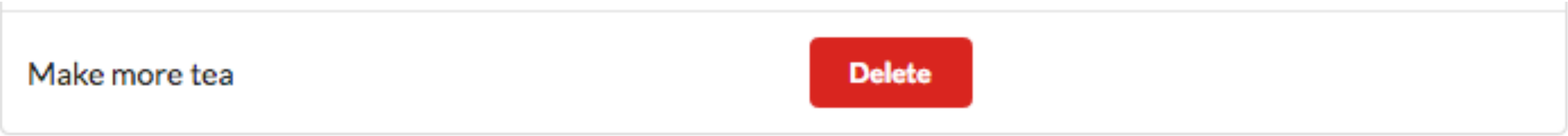
```
POST     /dashboard/addtodo                           Dashboard.addTodo
```

```
  public static void addTodo(String title)
  {
    Todo todo = new Todo(title);
    todo.save();
    Logger.info("Adding Todo" + title);
    redirect("/dashboard");
  }
```

```
<form class="ui stacked segment form" action="/dashboard/addtodo" method="POST">
  <div class="field">
    <label>Title</label>
    <input placeholder="Title" type="text" name="title">
  </div>
  <button class="ui blue submit button">Add Todo</button>
</form>
```



Dashboard deleteTodo Action



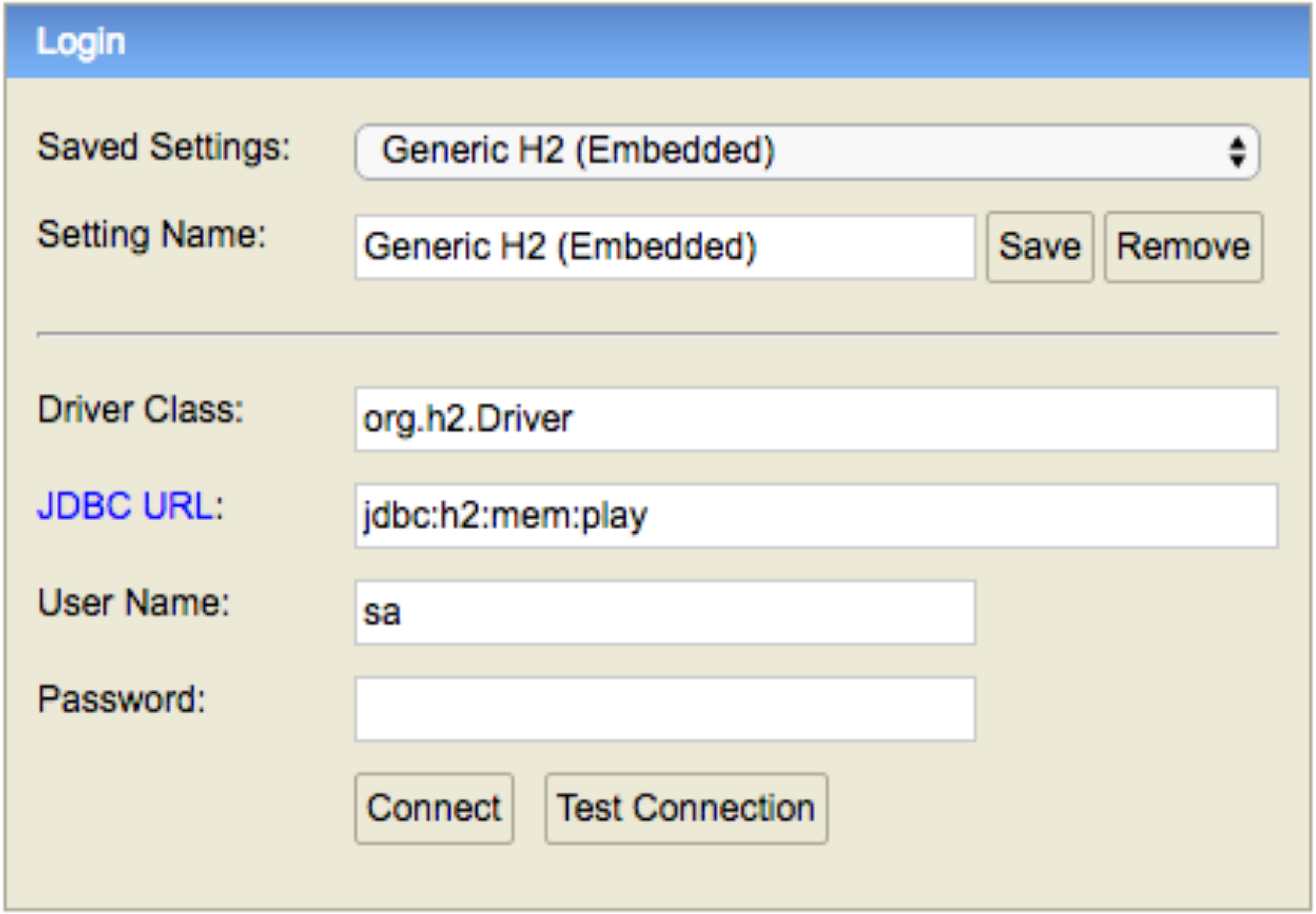
Make more tea

```
GET     /dashboard/deletetodo/{id}                         Dashboard.deleteTodo
```

```java
  public static void deleteTodo(Long id)
  {
    Todo todo = Todo.findById(id);
    todo.delete();
    Logger.info("Deleting " + todo.title);
    redirect("/dashboard");
  }
```

```html
...
    <div class="ui bulleted list">
      #{list items:todolist, as:'todo'}
      <tr>
        <td> ${todo.title} </td>
        <td> <a href="/dashboard/deletetodo/${todo.id} " class="ui tiny red button"> Delete </a> </td>
      #{/list}
    </div>
    </tbody>
  </table>
…
```

http://localhost:9000/@db



Login

Saved Settings: Generic H2 (Embedded)

Setting Name: Generic H2 (Embedded)

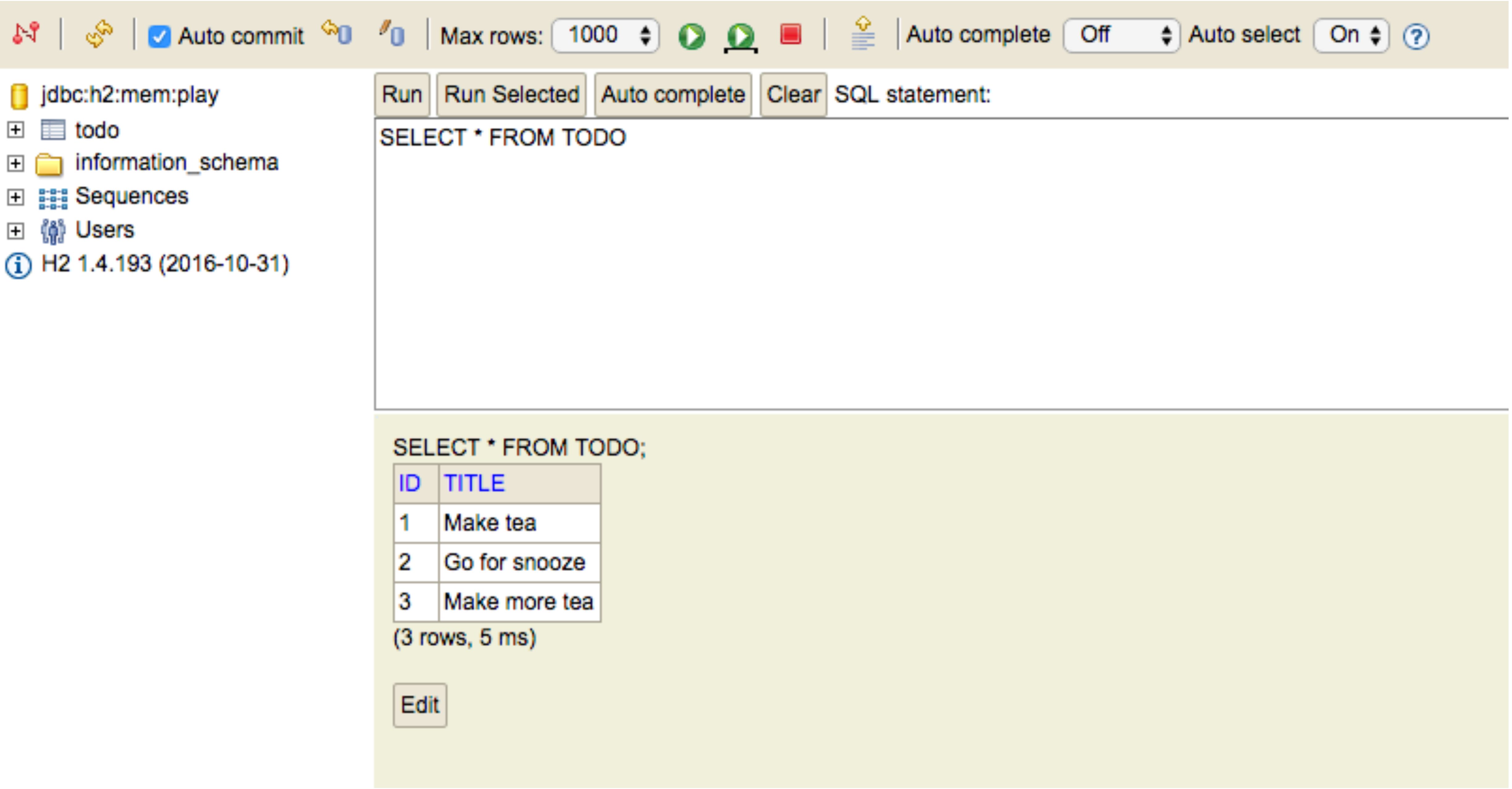
Driver Class: org.h2.Driver

JDBC URL: jdbc:h2:mem:play

User Name: sa

Password:

localhost:9000/@db



```
SELECT * FROM TODO
```

SELECT * FROM TODO;

ID	TITLE
1	Make tea
2	Go for snooze
3	Make more tea

(3 rows, 5 ms)