**TODO Resource**

| Property Name | Description |
| --- | --- |
| id | a globally unique value for each ToDo record |
| body | the text content of the ToDo record |

**TODO Actions**

| Operation | Description | Participants | Resource | Events | Params | Returns | Safe |
|---|---|---|---|---|---|---|---|
| listToDo() | get a list of records | user | ToDo | ToDo.Listed | none | ToDo[] | yes |
| searchToDo() | filter the list | user | ToDo | ToDo.Searched | body | ToDo[] | yes |
| addToDo() | add a new record | user | ToDo | ToDo.Added | body | ToDo[] | no |
| RemoveToDo() | remove an existing record | user | ToDo | ToDo.Removed | id | ToDo[] | no |

**TODO HTTP/REST DESIGN**

| Path | Operation | Method | Request | Response | Description |
| --- | --- | --- | --- | --- | --- |
| /todo/ | listToDo() | GET | none | ToDo[], 200 | returns list (in order created) |
| /todo/search?body={body} | searchToDo() | GET | body | ToDo[], 200 | returns filtered list (in order created) |
| /todo/ | addToDo() | POST | body | ToDo[], 201, 400 | adds a new item to the list, returns the updated list |
| /todo/{id} | removeToDo() | DELETE | id | ToDo[], 200, 404 | removes in existing item from the list, returns the updated list |