User Controller:

|  |  |
| --- | --- |
| User **getAllUsers** (); | Get: <http://localhost:8080/rain/users> |
| User **getUserById (**int userId); | Get: http://localhost:8080/rain/users/14 |
| User **getUserByEmail (**Stringemail); | Get: <http://localhost:8080/rain/search?email=abc@c.com> |
| void **CreateNewUser**(User user); | Post: http://localhost:8080/rain/users |
| void **Update**User(User user); | Put: http://localhost:8080/rain/users/14 |
| void **DeleteUser**(**int userId**) | Delete: http://localhost:8080/rain/users/14 |

1. getAllUsers

Get: <http://localhost:8080/rain/users>

Return:

[{"id": 1,"first\_name": "Chang","last\_name": "ti","email": "abc@c.com","account": "45", "password": "322","avatar": null},{"id": 2,"first\_name": "Jason","last\_name": "ti","email": "abc@c.com","account": "455123","password": "12das3","avatar": null},{"id": 14, "first\_name": "Jason","last\_name": "ti","email": "abc@c.com","account": "4551sad23","password": "12dafdddnjns3","avatar": null},{"id": 16,"first\_name": "Charles","last\_name": "Sun", "email": "shu@dhush.edu","account": "hdsbh","password": "12njnwi","avatar": null}]

1. getUserById

Get: <http://localhost:8080/rain/users/14>

Return:

{"~~id~~": 14,"first\_name": "Jason","last\_name": "ti","email": "abc@c.com","account": "4551sad23", "password": "12dafdddnjns3","avatar": null}

1. getUserByEmail

Get: <http://localhost:8080/rain/search?email=abc@c.com>

Return:

[{"id": 1,"first\_name": "Chang","last\_name": "ti","email": "abc@c.com","account": "45", "password": "322", "avatar": null},{"id": 2,"first\_name": "Jason","last\_name": "ti","email":"abc@c.com","account": "455123","password": "12das3","avator": null},{"id": 14,"first\_name": "Jason","last\_name": "ti","email": "abc@c.com","account": "4551sad23", "password": "12dafdddnjns3","avator": null}]

1. CreateNewUser

Post: http://localhost:8080/rain/users

Accept: application/json;odata=verbose;

Content-Type: application/json;

Input:

{"first\_name": "Peter","last\_name": "Parker","email": "adnsan@ans.com",”account": "sjkadnskjdna","password": "sdkmfdkfmsl","avatar": null}

1. UpdateUser

Put: http://localhost:8080/rain/users/14

Input:

{"first\_name": "JS","last\_name": "Ti","email": "adnsan@ans.com","account": "dsa", "password": "dwd","avatar": null}

1. DeleteUser

Delete: <http://localhost:8080/rain/users/14>

Color Controller:

|  |  |
| --- | --- |
| Color **getColors**(); | Get: http://localhost:8080/rain/colors |

1. GetColors

Get: <http://localhost:8080/rain/colors>

[{"id": 1,"name": "blue","color": "blue"},{"id": 2,"name": "yellow","color": "yellow"},{"id": 3,"name": "green","color": "green"}]

Music Controller:

|  |  |
| --- | --- |
| Music GetAllMusic (); | Get: http://localhost:8080/rain/music |
| Music getMusicById **(**int musicId); | Get: http://localhost:8080/rain/boards/1 |
| void saveMusic **(**Music music); | Post: <http://localhost:8080/rain/music> |
| void **UpdateMusic**(Music Music); | Put: http://localhost:8080/rain/music/1 |
| void **DeleteMusic**(**int musicId**) | Delete: http://localhost:8080/rain/music/1 |

1. GetAllMusic:

Get: http://localhost:8080/rain/music

[{"id": 1,"description": "Chopin","musiclink": "youtube1"}]

1. GetMusicById

Get: <http://localhost:8080/rain/boards/1>

{"id": 1,"description": "Chopin","musiclink": "youtube1"}

1. SaveMusic:

Post: <http://localhost:8080/rain/music>

Input:

{"description": "Test","musiclink": "spotify"}

1. UpdateMusic

Put: <http://localhost:8080/rain/music/1>

Input:

{"description": "Beatles","musiclink": "spotifylink"}

1. DeleteMusic

Delete: <http://localhost:8080/rain/music/1>

Board Controller:

|  |  |
| --- | --- |
| Board getBoards (); | Get: <http://localhost:8080/rain/boards> |
| Board getBoardById **(**int boardId); | Get: http://localhost:8080/rain/boards/2 |
| void **createBoard (**Board board); | Post: <http://localhost:8080/rain/boards> |
| void **UpdateBoard**(Board board); | Put: http://localhost:8080/rain/boards/2 |
| void **DeleteBoard**(**int boardId**) | Delete: http://localhost:8080/rain/users/2 |

1. getBoards

Get: <http://localhost:8080/rain/boards>

1. getBoardById

Get: <http://localhost:8080/rain/boards/2>

{"id": 2,"board\_name": "Try","board\_description": "Test"}

1. createBoard

Post: <http://localhost:8080/rain/boards>

Input:

{"board\_name": "New Board","board\_description": "It's a test"}

1. UpdateBoard

Put: <http://localhost:8080/rain/boards/2>

Input:

{"board\_name": "Today Task","board\_description": "Finish XXX"}

1. DeleteBoard

Delete: <http://localhost:8080/rain/users/2>

UserBoard Controller:

|  |  |
| --- | --- |
| UserBoard **getAllUserBoard** (); | Get: http://localhost:8080/rain/userboard |
| UserBoard **getAllUser\_BoardByBoardId (**int boardId); | Get: http://localhost:8080/rain/boards/4/userboard |
| UserBoard **getAllUser\_BoardByUserId (**int userId); | Get: <http://localhost:8080/rain/users/14/userboard> |
| void **CreateNewUserBoard** (**int userId, int boardId,** UserBoard userboard); | Post: http://localhost:8080/rain/boards/6/users/19/userboard |
| void **Update**UserBoard(**int userId, int boardId, int userBoardId,** UserBoard userBoard); | Put: http://localhost:8080/rain/boards/6/users/19/userboard/2 |
| void **DeleteUserBoard**(**int userBoardId**) | Delete: http://localhost:8080/rain/userboard/1 |

1. getAllUserBoard:

Get: <http://localhost:8080/rain/userboard>

[{"id": 1,"order": 3,"user": {"id": 14,"first\_name": "JS","last\_name": "Ti","email":adnsan@ans.com","account": "dsa","password": "dwd","avatar": null}, "board": {"id": 4,"color": {"id": 2,"name": "yellow","color": "yellow"},"board\_name":"Test","board\_description": "test case"}}]

1. getAllUser\_BoardByBoardId

Get: <http://localhost:8080/rain/boards/4/userboard>

{"content":[{"id": 1,"order": 3,"user": {"id": 14,"first\_name": "JS", "last\_name": "Ti","email": "adnsan@ans.com","account": "dsa","password": "dwd","avatar": null},"board": {"id": 4,"color": {"id": 2,"name": "yellow", "color": "yellow"},"board\_name": "Test","board\_description": "test case"}], "pageable": {"sort": {"sorted": false,"unsorted": true,"empty": true},"offset": 0,"pageNumber": 0,"pageSize": 20,"paged": true,"unpaged": false},"totalPages": 1,"totalElements": 1,"last": true,"size": 20,"number": 0,"sort": {"sorted": false,"unsorted": true,"empty": true},numberOfElements": 1,"first": true,"empty": false}

1. getAllUser\_BoardByBoardId

Get: <http://localhost:8080/rain/users/14/userboard>

{"content":[{"id":1,"order":3,"user":{"id": 14,"first\_name": "JS", "last\_name": "Ti","email": "adnsan@ans.com","account": "dsa","password": "dwd","avatar": null},"board": {"id": 4,"color": {"id": 2,"name": "yellow", "color": "yellow"},"board\_name": "Test","board\_description": "test case"}}], "pageable": {"sort": {"sorted": false,"unsorted": true,"empty": true},"offset": 0,"pageNumber": 0,"pageSize": 20,"paged": true,"unpaged": false},"totalPages": 1,"totalElements": 1,"last": true,"size": 20,"number": 0,"sort": {"sorted": false,"unsorted": true,"empty": true},numberOfElements": 1,"first": true,"empty": false}

1. CreateUserBoard

Post: <http://localhost:8080/rain/boards/6/users/19/userboard>

Input:

{"user\_board\_rank": 8}

1. UpdateUserBoard

Put: <http://localhost:8080/rain/boards/6/users/19/userboard/2>

Input:

{"user\_board\_rank": 19}

1. DeleteUserBoard

Delete: http://localhost:8080/rain/userboard/1

UserMusic Controller:

|  |  |
| --- | --- |
| UserMusic **getAllUserMusic** (); | Get: http://localhost:8080/rain/usermusic |
| UserMusic **getAllUser\_MusicByMusicId (**int musicId); | Get: http://localhost:8080/rain//music/2/usermusic |
| UserMusic **getAllUser\_MusicByUserId (**int userId); | Get: <http://localhost:8080/rain/users/14/usermusic> |
| void **CreateNewUserMusic** (**int userId, int musicId,** UserMusic usermusic); | Post: http://localhost:8080/rain/music/2/users/19/usermusic |
| void **Update**UserMusic(**int userId, int musicId, int userMusicId,** UserMusic userMusic); | Put: http://localhost:8080/rain/music/2/users/19/usermusic/2 |
| void **DeleteUserMusic**(**int userMusicId**) | Delete: http://localhost:8080/rain/usermusic/2 |

1. getAllUserMusic:

Get: http://localhost:8080/rain/usermusic

[{"id": 1, "user\_music\_rank": 5, "music": {"id": 2, "description": "Test","musiclink": "spotify"},"user": {"id": 14,"first\_name": "JS", "last\_name": "Ti","email": "adnsan@ans.com","account": "dsa", "password": "dwd","avatar": null,"hibernateLazyInitializer"}}]

1. getAllUser\_MusicByMusicId

Get: http://localhost:8080/rain//music/2/usermusic

{"content": [{"id": 1, "user\_music\_rank": 5,"music": {"id": 2,"description": "Test","musiclink": "spotify"},"user": {"id": 14,"first\_name": "JS", "last\_name": "Ti","email": "adnsan@ans.com","account": "dsa","password": "dwd","avatar": null, "hibernateLazyInitializer"}}]}

1. getAllUser\_MusicByUserId

Get: <http://localhost:8080/rain/users/14/usermusic>

{"content": [{"id": 1,"user\_music\_rank": 5,"user": {"id": 14, "first\_name": "JS","last\_name": "Ti","email": "adnsan@ans.com", "account": "dsa","password": "dwd","avatar": null},"music": {"id": 2, "musiclink": "spotify","description": "Test"}}],"pageable": {"sort": {"unsorted": true,"sorted": false,"empty": true},"offset": 0, "pageNumber": 0,"pageSize": 20,"paged": true,"unpaged": false},"last": true,"totalPages": 1,"totalElements": 1,"size": 20,"number": 0,"sort":{"unsorted": true,"sorted": false,"empty": true}, "numberOfElements": 1, "first": true, "empty": false}

1. CreateUserMusic

Post: http://localhost:8080/rain/music/2/users/19/usermusic

Input:

{"user\_music\_rank": 5}

1. UpdateUserBoard

Put: http://localhost:8080/rain/music/2/users/19/usermusic/2

Input:

{"user\_music\_rank": 20}

1. DeleteUserMusic

Delete: http://localhost:8080/rain/usermusic/2

List Controller:

|  |  |
| --- | --- |
| Lists **getAllListsByBoardId** (); | Get: http://localhost:8080/rain/boards/5/lists |
| void **CreateList (**int boardId, List list); | Post: <http://localhost:8080/rain/boards/5/lists> |
| void **modifyList (**int boardId, int listId, List list); | Put: <http://localhost:8080/rain/boards/5/lists/3> |
| void **deleteList** (int boardId, int listId) | Delete: http://localhost:8080/rain/boards/5/lists/3 |

1. GetAllListsByboardId:

Get: <http://localhost:8080/rain/boards/5/lists>

{"content":[{"id": 1,"board": {"id": 5,"color": {"id": 1,"name": "blue","color": "blue"},"board\_name": "New Board","board\_description": "It's a test"},"color": {"id": 2,"name": "yellow","color": "yellow"}, "list\_name": "Try","list\_description": "Test"},{"id": 2,"board": {"id": 5,"color": {"id": 1,"name": "blue","color": "blue"},"board\_name": "New Board","board\_description": "It's a test"},"color": {"id": 2,"name": "yellow","color": "yellow"},"list\_name":"TodayTask","list\_description": "Things to complete today"}],"pageable": {"sort": {"sorted": false, "unsorted": true,"empty": true},"offset": 0,"pageNumber":0,"pageSize": 20,"paged":true,"unpaged":false},"totalPages":1,"totalElements":2,"last": true,"size": 20,"number": 0,"sort":{"sorted":false,"unsorted":true, "empty": true},"numberOfElements": 2,"first": true,"empty": false}

1. createList

Post: <http://localhost:8080/rain/boards/5/lists>

Input:

{"color": {"id": 2,"name": "yellow","color": "yellow"},"list\_name": "Example","list\_description": "Have a try"}

1. ModifyList

Put: <http://localhost:8080/rain/boards/5/lists/3>

Input:

{"color":{"id": 2,"name": "yellow","color": "yellow"},"list\_name": "Update Example","list\_description": "Another Try"}

1. DeleteList

Delete: <http://localhost:8080/rain/boards/5/lists/3>

Card Controller:

|  |  |
| --- | --- |
| Card **getAllCardsByListId** (int listId); | Get: http://localhost:8080/rain/lists/2/cards |
| void **CreateCard (**int listId, Card card); | Post: <http://localhost:8080/rain/lists/2/cards> |
| void **modifyCard (**int listId, int cardId, Card card); | Put: <http://localhost:8080/rain/lists/2/cards/3> |
| void **deleteCard** (int listId, int cardId) | Delete: http://localhost:8080/rain/lists/2/cards/3 |

1. GetAllCardsByListId:

Get: <http://localhost:8080/rain/lists/2/cards>

{"content":[{"id":1,"name":"TM project","description":"Taskmanagement", "type": "Due date","order": 3,"list": {"id": 2,"board": {"id": 5,"color": {"id":1,"name":"blue","color":"blue"},"board\_name":"NewBoard","board\_description": "It's a test"},"color": {"id": 2,"name": "yellow","color": "yellow"}, "list\_name":"Today Task","list\_description":"Things to complete today"}},{"id": 2,"name": "Test","description": "Example","type": "None","order": 8,"list": {"id": 2,"board": {"id": 5,"color": {"id": 1,"name": "blue","color": "blue"},"board\_name": "New Board","board\_description": "It's a test"},"color": {"id": 2, "name": "yellow","color": "yellow"},"list\_name": "Today Task","list\_description": "Things to complete today"}}],"pageable": {"sort": {"sorted": false, "unsorted": true, "empty": true},"offset": 0, "pageNumber": 0, "pageSize": 20, "paged": true, "unpaged": false},"totalPages": 1, "totalElements": 2, "last": true, "size": 20, "number": 0, "sort": {"sorted": false, "unsorted": true, "empty": true},"numberOfElements": 2, "first": true, "empty": false}

1. CreateCard:

Post: <http://localhost:8080/rain/lists/2/cards>

Input:

{"music": {"id": 2,"description": "Test","musiclink": "spotify"},"name": "Add a new Card","description": "Test","card\_type": "Due date","card\_rank": 3}

1. ModifyCard:

Put: <http://localhost:8080/rain/lists/2/cards/3>

Input:

{"music": {"id": 2,"description": "Test","musiclink": "spotify"}, "name": "Modify Example","description": "Example","card\_type": "Due date","card\_rank": 8}

1. DeleteCard:

Delete: <http://localhost:8080/rain/lists/2/cards/3>

Checklist Controller:

|  |  |
| --- | --- |
| Checklist **getAllChecklistByCardId** (int cardId); | Get: <http://localhost:8080/rain/cards/2/checklist> |
| void **CreateChecklist (**int cardId, Checklist checklist); | Post: <http://localhost:8080/rain/cards/2/checklist> |
| void **modifyChecklist (**int cardId, int checklistId, Checklist checklist); | Put:<http://localhost:8080/rain/cards/2/checklist/2> |
| void **deleteChecklist** (int cardId, int listId) | Delete: http://localhost:8080/rain/cards/2/checklist/2 |

1. GetAllCardsByListId:

Get: <http://localhost:8080/rain/cards/2/checklist>

{"content": [{"id": 1,"name": "TodoList"}],"pageable": {"sort": {"sorted": false,"unsorted": true,"empty": true},"offset": 0,"pageNumber": 0,"pageSize": 20,"paged": true,"unpaged": false},"totalPages": 1,"totalElements": 1,"last": true,"size": 20,"number": 0,"sort": {"sorted": false,"unsorted": true,"empty": true},numberOfElements": 1,"first": true,"empty": false}

1. createChecklist

Post: <http://localhost:8080/rain/cards/2/checklist>

Input:

{"name": "Another Check list"}

1. ModifyChecklist:

Put: <http://localhost:8080/rain/cards/2/checklist/2>

Input:

{"name": "Try this name"}

1. DeleteChecklist:

Delete: http://localhost:8080/rain/cards/2/checklist/2

Checklist\_item Controller:

|  |  |
| --- | --- |
| Lists **getAllChecklist\_itemByChecklistId** (int checklistId); | Get: <http://localhost:8080/rain/checklist/1/checklist_item> |
| void **CreateChecklist\_item (**int checklistId, Checklist\_item checklist\_item); | Post: <http://localhost:8080/rain/checklist/1/checklist_item> |
| void **modifyChecklist\_item (**int checklistId, int checklist\_itemId, Checklist\_item checklist\_item); | Put: <http://localhost:8080/rain/checklist/1/checklist_item/2> |
| void **delete Checklist\_item** (int checklistId, int checklist\_itemId) | Delete: http://localhost:8080/rain/checklist/1/checklist\_item/2 |

1. GetAllCardsByListId:

Get: <http://localhost:8080/rain/checklist/1/checklist_item>

{"content": [{"id": 1, "name": "Task","status": "Done"}],"pageable": {"sort": {"sorted": false,"unsorted": true,"empty": true},"offset": 0,"pageNumber": 0,"pageSize": 20,"paged": true,"unpaged": false},"totalPages": 1,"totalElements": 1,"last": true,"size": 20,"number": 0,"sort": {"sorted": false,"unsorted": true,"empty": true},numberOfElements": 1,"first": true,"empty": false}

1. createChecklist\_item

Post: <http://localhost:8080/rain/checklist/1/checklist_item>

Input:

{"name": "Name Changed","status": ""}

1. ModifyChecklist\_item:

Put: <http://localhost:8080/rain/checklist/1/checklist_item/2>

Input:

{"name": "Name Changed again",”status”: “done”}

1. DeleteChecklist:

Delete: http://localhost:8080/rain/checklist/1/checklist\_item/2

Comments Controller:

|  |  |
| --- | --- |
| Comments **getAllCommentsByCardId** (); | Get: http://localhost:8080/rain/cards/2/comments |
| void **CreateComment (**int cardId, int userId, Comment comment); | Post: <http://localhost:8080/rain/cards/2/user/14/comments> |
| void **modifyComment (**int cardId, int userId, int commentId, Comment comment); | Put: <http://localhost:8080/rain/cards/2/users/14/comments/2> |
| void **deleteComment** (int cardId, int commentId) | Delete: http://localhost:8080/rain/cards/2/comments/2 |

1. GetAllCommentsByCardId:

Get: <http://localhost:8080/rain/cards/2/comments>

{"content": [{"id": 1, "comment": "Do this"} "user": {"id": 14, "first\_name": "JS","last\_name": "Ti","email": "adnsan@ans.com", "account": "dsa","password": "dwd","avatar": null, "hibernateLazyInitializer"}],"pageable": {"sort": {"sorted": false,"unsorted": true,"empty": true},"offset": 0,"pageNumber": 0,"pageSize": 20,"paged": true,"unpaged": false},"totalPages": 1,"totalElements": 1,"last": true,"size": 20,"number": 0,"sort": {"sorted": false,"unsorted": true,"empty": true},numberOfElements": 1,"first": true,"empty": false}

1. createComment:

Post: <http://localhost:8080/rain/cards/2/user/14/comments>

Input:

{"comment": "Try sth new"}

1. modifyComment:

Put: <http://localhost:8080/rain/cards/2/users/14/comments/2>

Input:

{"comment": "content changed"}

1. deleteComment:

Delete: http://localhost:8080/rain/cards/2/comments/2