

MVP Testing

Testing for User CRUD functionality

/api/User/ListUser

```
C:\Users\radin> curl -X "GET" https://localhost:7074/api/User/ListUser
[{"user_Id":1,"first_name":"Radin","last_name":"Ali","email":"radin@email.com","friend_list":"Radita"}, {"user_Id":8,"first_name":"Radita","last_name":"Ali","email":"radita@email.com","friend_list":"Radin"}, {"user_Id":9,"first_name":"John","last_name":"Doe","email":"John@hotmail.com","friend_list":""}]
C:\Users\radin>
```

/api/User/Find/{id}

```
C:\Users\radin> curl -X "GET" https://localhost:7074/api/User/Find/1
{"user_Id":1,"first_name":"Radin","last_name":"Ali","email":"radin@email.com","friend_list":"Radita"}
C:\Users\radin>
```

If Id does not exist in table

```
C:\Users\radin> curl -X "GET" https://localhost:7074/api/User/Find/10
{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.5","title":"Not Found","status":404,"traceId":"00-91b0da58febc306cfd6d0ba45e1b549b-d2c42309f5e44a06-00"}
C:\Users\radin>
```

```
C:\Users\radin> curl -X "GET" https://localhost:7074/api/User/Find/-100
{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.5","title":"Not Found","status":404,"traceId":"00-eeadf62db23dac40f69aee728574f79f-f6649da8b408238e-00"}
C:\Users\radin>
```

/api/User/Add

In curl.json

```
{
  "user_Id": 0,
  "first_name": "Sam",
  "last_name": "Sam",
  "email": "sam@email.com",
  "friend_list": ""
}
```

```
C:\Users\radin\OneDrive\Desktop>curl -X "POST" -H "Content-Type: application/json" -d @curl.json https://localhost:7074/api/User/Add
{"user_Id":0,"first_name":"Sam","last_name":"Sam","email":"sam@email.com","friend_list":""}
C:\Users\radin\OneDrive\Desktop>
```

```
C:\Users\radin\OneDrive\Desktop>curl -X "GET" https://localhost:7074/api/User/ListUser
[{"user_Id":1,"first_name":"Radin","last_name":"Ali","email":"radin@email.com","friend_list":"Radita"}, {"user_Id":8,"first_name":"Radita","last_name":"Ali","email":"radita@email.com","friend_list":"Radin"}, {"user_Id":9,"first_name":"John","last_name":"Doe","email":"John@hotmail.com","friend_list":""}, {"user_Id":12,"first_name":"Sam","last_name":"Sam","email":"sam@email.com","friend_list":""}]
C:\Users\radin\OneDrive\Desktop>
```

If user input empty string

```
{
  "user_Id": 0,
  "first_name": "",
  "last_name": "Sam",
  "email": "sam@email.com",
  "friend_list": ""
}
```

```
C:\Users\radin\OneDrive\Desktop>curl -X "POST" -H "Content-Type: application/json" -d @curl.json https://localhost:7074/api/User/Add
["Please provide valid first name, last name, and email."]
C:\Users\radin\OneDrive\Desktop>
```

/api/User/Update/{id}

```
{
  "user_Id": 0,
  "first_name": "Sam",
  "last_name": "Wood",
  "email": "sam@email.com",
  "friend_list": ""
}
```

```
C:\Users\radin\OneDrive\Desktop>curl -X "PUT" -H "Content-Type: application/json" -d @curl.json "https://localhost:7074/api/User/Update/12"
```

```
C:\Users\radin\OneDrive\Desktop>curl -X "GET" https://localhost:7074/api/User/ListUser
[{"user_Id":1,"first_name":"Radin","last_name":"Ali","email":"radin@email.com","friend_list":"Radita"}, {"user_Id":8,"first_name":"Radta","last_name":"Ali","email":"radita@email.com","friend_list":"Radin"}, {"user_Id":9,"first_name":"John","last_name":"Doe","email":"John@hotmail.com","friend_list":""}, {"user_Id":12,"first_name":"Sam","last_name":"Wood","email":"sam@email.com","friend_list":""}]
C:\Users\radin\OneDrive\Desktop>
```

If you try to update with empty field

```
{
  "user_Id": 0,
  "first_name": "",
  "last_name": "Wood",
  "email": "sam@email.com",
  "friend_list": ""
}
```

```
C:\Users\radin\OneDrive\Desktop>curl -X "PUT" -H "Content-Type: application/json" -d @curl.json "https://localhost:7074/api/User/Update/12"
["Please provide valid first name, last name, and email."]
C:\Users\radin\OneDrive\Desktop>
```

/api/User/Delete/{id}

Deleting Sam

```
C:\Users\radin>curl -X "DELETE" https://localhost:7074/api/User/Delete/12
```

```
C:\Users\radin>curl -X "POST" https://localhost:7074/api/User/ListUser
```

```
C:\Users\radin>curl -X "GET" https://localhost:7074/api/User/ListUser
[{"user_Id":1,"first_name":"Radin","last_name":"Ali","email":"radin@email.com","friend_list":"Radita"}, {"user_Id":8,"first_name":"Radta","last_name":"Ali","email":"radita@email.com","friend_list":"Radin"}, {"user_Id":9,"first_name":"John","last_name":"Doe","email":"John@hotmail.com","friend_list":""}]
C:\Users\radin>
```

Deleting someone not from database

```
C:\Users\radin>curl -X "DELETE" https://localhost:7074/api/User/Delete/13
{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.5","title":"Not Found","status":404,"traceId":"00-b43c8b5077416eeda01994d451a61ced-901f26b8c5ec1c31-00"}
C:\Users\radin>
```

Testing for Timeline CRUD functionality

/api/Timeline/ListTimeline

```
C:\Users\radin>curl -X "GET" https://localhost:7074/api/Timeline/ListTimeline
[{"timeline_Id":8,"timeline_name":"Radin's Timeline","date":"2025-02-01T00:00:00","description":"Something"},{"timeline_Id":9,"timeline_name":"Curltest","date":"2025-02-02T04:27:54.413","description":"string"},{"timeline_Id":10,"timeline_name":"John's timeline","date":"2025-02-02T19:37:50.978","description":"something about John"}]
C:\Users\radin>
```

/api/Timeline/Find/{id}

```
C:\Users\radin>curl -X "GET" https://localhost:7074/api/Timeline/Find/8
{"timeline_Id":8,"timeline_name":"Radin's Timeline","date":"2025-02-01T00:00:00","description":"Something"}
C:\Users\radin>
```

Searching for id outside of table

```
C:\Users\radin>curl -X "GET" https://localhost:7074/api/Timeline/Find/100
{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.5","title":"Not Found","status":404,"traceId":"00-0949dfa33cfb3fa446d5c1ffe624b116-daae7613777e040c-00"}
C:\Users\radin>curl -X "GET" https://localhost:7074/api/Timeline/Find/-100
{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.5","title":"Not Found","status":404,"traceId":"00-f56ea8d182f6bcd5ac048d4abb863aa-d811eb5134fe16e6-00"}
C:\Users\radin>
```

/api/Timeline/Add

```
C:\Users\radin>C:\Users\radin>OneDrive>Desktop>C:\Users\radin>C:\Users\radin>...
{
  "timeline_Id": 0,
  "timeline_name": "Sam's Timeline",
  "date": "2025-02-02",
  "description": "Something about sam"
}
```

```
C:\Users\radin\OneDrive\Desktop>curl -X "POST" -H "Content-Type: application/json" -d @curl.json https://localhost:7074/api/Timeline/Add
{"timeline_Id":0,"timeline_name":"Sam's Timeline","date":"2025-02-02T00:00:00","description":"Something about sam"}
C:\Users\radin\OneDrive\Desktop>curl -X "GET" https://localhost:7074/api/Timeline/ListTimeline
[{"timeline_Id":8,"timeline_name":"Radin's Timeline","date":"2025-02-01T00:00:00","description":"Something"}, {"timeline_Id":9,"timeline_name":"Curltest","date":"2025-02-02T04:27:54.413","description":"string"}, {"timeline_Id":10,"timeline_name":"John's timeline","date":"2025-02-02T19:37:50.978","description":"something about John"}, {"timeline_Id":11,"timeline_name":"Sam's Timeline","date":"2025-02-02T00:00:00","description":"Something about sam"}]
C:\Users\radin\OneDrive\Desktop>
```

Trying to add with empty field

```
{
  "timeline_Id": 0,
  "timeline_name": "",
  "date": "2025-02-02",
  "description": "Something about sam"
}
```

```
C:\Users\radin\OneDrive\Desktop>curl -X "POST" -H "Content-Type: application/json" -d @curl.json https://localhost:7074/api/Timeline/Add
["Timeline name are required."]
C:\Users\radin\OneDrive\Desktop>
```

/api/Timeline/Update/{id}

```
C:\Users\radin\OneDrive\Desktop>curl -X "GET" https://localhost:7074/api/Timeline/ListTimeline
[{"timeline_Id":8,"timeline_name":"Radin's Timeline","date":"2025-02-01T00:00:00","description":"Something"}, {"timeline_Id":9,"timeline_name":"Curltest","date":"2025-02-02T04:27:54.413","description":"string"}, {"timeline_Id":10,"timeline_name":"John's timeline","date":"2025-02-02T19:37:50.978","description":"something about John"}, {"timeline_Id":11,"timeline_name":"Sam's Timeline","date":"2025-02-02T00:00:00","description":"Sam updated timeline"}]
C:\Users\radin\OneDrive\Desktop>
```

Updating with empty field

```
{
  "timeline_Id": 0,
  "timeline_name": "",
  "date": "2025-02-02",
  "description": "Sam updated timeline"
}
```

```
C:\Users\radin\OneDrive\Desktop>curl -X "PUT" -H "Content-Type: application/json" -d @curl.json "https://localhost:7074/api/Timeline/Update/11"
["Timeline name are required."]
C:\Users\radin\OneDrive\Desktop>
```

/api/Timeline/Delete/{id}

```
C:\Users\radin\OneDrive\Desktop>curl -X "DELETE" https://localhost:7074/api/Timeline/Delete/12

C:\Users\radin\OneDrive\Desktop>
```

```
C:\Users\radin\OneDrive\Desktop>curl -X "GET" https://localhost:7074/api/Timeline/ListTimeline
[{"timeline_Id":8,"timeline_name":"Radin's Timeline","date":"2025-02-01T00:00:00","description":"Something"}, {"timeline_Id":9,"timeline_name":"Curltest","date":"2025-02-02T04:27:54.413","description":"string"}, {"timeline_Id":10,"timeline_name":"John's timeline","date":"2025-02-02T19:37:50.978","description":"something about John"}]
C:\Users\radin\OneDrive\Desktop>
```

Deleting something outside of the table

```
C:\Users\radin\OneDrive\Desktop>curl -X "DELETE" https://localhost:7074/api/Timeline/Delete/12
["Timeline entry cannot be deleted because it does not exist."]
C:\Users\radin\OneDrive\Desktop>
```

Testing for Entries CRUD functionality

/api/Entries/ListEntries

```
C:\Users\radin>curl -X "GET" https://localhost:7074/api/Entries/ListEntries
[{"entries_Id":6,"entries_name":"Radin's entry","description":"Radin's description","location":"Japan","images":"png","timeline_Id":8}, {"entries_Id":7,"entries_name":"Radita's entry","description":"Radita's description","location":"Japan","images":"png","timeline_Id":8}, {"entries_Id":8,"entries_name":"John's entry","description":"John's description","location":"Japan","images":"png","timeline_Id":9}]
C:\Users\radin>
```

/api/Entries/Find/{id}

```
C:\Users\radin>curl -X "GET" https://localhost:7074/api/Entries/Find/6
{"entries_Id":6,"entries_name":"Radin's entry","description":"Radin's description","location":"Japan","images":"png","timeline_Id":8}
C:\Users\radin>
```

/api/Entries/Add

```
{
  "entries_Id": 0,
  "entries_name": "Sam's entry",
  "description": "Sams's description",
  "location": "Japan",
  "images": "png",
  "timeline_Id": 9
}
```

```
C:\Users\radin\OneDrive\Desktop>curl -X "POST" -H "Content-Type: application/json" -d @curl.json https://localhost:7074/api/Entries/Add
{"entries_Id":0,"entries_name":"Sam's entry","description":"Sams's description","location":"Japan","images":"png","timeline_Id":9}
C:\Users\radin\OneDrive\Desktop>curl -X "GET" https://localhost:7074/api/Entries/ListEntries
[{"entries_Id":6,"entries_name":"Radin's entry","description":"Radin's description","location":"Japan","images":"png","timeline_Id":8},{"entries_Id":7,"entries_name":"Radita's entry","description":"Radita's description","location":"Japan","images":"png","timeline_Id":8},{"entries_Id":8,"entries_name":"John's entry","description":"John's description","location":"Japan","images":"png","timeline_Id":9},{"entries_Id":9,"entries_name":"Sam's entry","description":"Sams's description","location":"Japan","images":"png","timeline_Id":9}]
C:\Users\radin\OneDrive\Desktop>
```

Entering empty field

```
{
  "entries_Id": 0,
  "entries_name": "|",
  "description": "Sams's description",
  "location": "Japan",
  "images": "png",
  "timeline_Id": 9
}
```

```
C:\Users\radin\OneDrive\Desktop>curl -X "POST" -H "Content-Type: application/json" -d @curl.json https://localhost:7074/api/Entries/Add
["Entry name and a valid timeline ID are required."]
C:\Users\radin\OneDrive\Desktop>
```

Api/Entries/Update/{id}

```
{
  "entries_Id": 0,
  "entries_name": "Sam's updated Entry",
  "description": "Sams's update description",
  "location": "Japan",
  "images": "png",
  "timeline_Id": 9
}
```

```
C:\Users\radin\OneDrive\Desktop>curl -X "PUT" -H "Content-Type: application/json" -d @curl.json "https://localhost:7074/api/Entries/Update/9"

C:\Users\radin\OneDrive\Desktop>curl -X "GET" https://localhost:7074/api/Entries/ListEntries
[{"entries_Id":6,"entries_name":"Radin's entry","description":"Radin's description","location":"Japan","images":"png","timeline_Id":8}, {"entries_Id":7,"entries_name":"Radita's entry","description":"Radita's description","location":"Japan","images":"png","timeline_Id":8}, {"entries_Id":8,"entries_name":"John's entry","description":"John's description","location":"Japan","images":"png","timeline_Id":9}, {"entries_Id":9,"entries_name":"Sam's updated Entry","description":"Sams's update description","location":"Japan","images":"png","timeline_Id":9}]
C:\Users\radin\OneDrive\Desktop>
```

Updating with empty entry

```
{
  "entries_Id": 0,
  "entries_name": "",
  "description": "Sams's update description",
  "location": "Japan",
  "images": "png",
  "timeline_Id": 9
}
```

```
C:\Users\radin\OneDrive\Desktop>curl -X "PUT" -H "Content-Type: application/json" -d @curl.json "https://localhost:7074/api/Entries/Update/9"
["Entry name and a valid timeline ID are required."]
C:\Users\radin\OneDrive\Desktop>
```


/api/Entries/Delete/{id}

```
C:\Users\radin\OneDrive\Desktop>curl -X "DELETE" https://localhost:7074/api/Entries/Delete/9

C:\Users\radin\OneDrive\Desktop>curl -X "GET" https://localhost:7074/api/Entries/ListEntries
[{"entries_Id":6,"entries_name":"Radin's entry","description":"Radin's description","location":"Japan","images":"png","t
imeline_Id":8},{ "entries_Id":7,"entries_name":"Radita's entry","description":"Radita's description","location":"Japan","
images":"png","timeline_Id":8},{ "entries_Id":8,"entries_name":"John's entry","description":"John's description","locatio
n":"Japan","images":"png","timeline_Id":9}]
C:\Users\radin\OneDrive\Desktop>
```

Deleting entries outside of table

```
C:\Users\radin\OneDrive\Desktop>curl -X "DELETE" https://localhost:7074/api/Entries/Delete/100
{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.5","title":"Not Found","status":404,"traceId":"00-4c0d06f02e11
df831f27886420d2cb69-4b91019b8085d724-00"}
C:\Users\radin\OneDrive\Desktop>curl -X "DELETE" https://localhost:7074/api/Entries/Delete/-100
{"type":"https://tools.ietf.org/html/rfc9110#section-15.5.5","title":"Not Found","status":404,"traceId":"00-d3493113cd5c
f4311fc1bc0733e828d0-cdbdd959a44b0912-00"}
C:\Users\radin\OneDrive\Desktop>
```

One to many relations between Timeline and Entries

Attempting to add entry to a non-existent timeline

```
{
  "entries_Id": 0,
  "entries_name": "Sam's entry",
  "description": "Sams's update description",
  "location": "Japan",
  "images": "png",
  "timeline_Id": 100
}
```

```
C:\Users\radin\OneDrive\Desktop>curl -X "POST" -H "Content-Type: application/json" -d @curl.json https://localhost:7074/
api/Entries/Add
{"entries_Id":0,"entries_name":"Sam's entry","description":"Sams's update description","location":"Japan","images":"png"
,"timeline_Id":100}
C:\Users\radin\OneDrive\Desktop>curl -X "GET" https://localhost:7074/api/Entries/ListEntries
[{"entries_Id":6,"entries_name":"Radin's entry","description":"Radin's description","location":"Japan","images":"png","t
imeline_Id":8},{ "entries_Id":7,"entries_name":"Radita's entry","description":"Radita's description","location":"Japan","
images":"png","timeline_Id":8},{ "entries_Id":8,"entries_name":"John's entry","description":"John's description","locatio
n":"Japan","images":"png","timeline_Id":9}]
C:\Users\radin\OneDrive\Desktop>
```

Even though it “added” the new entry but since the timeline does not exist it didn’t add to list

Deleting timeline

```
C:\Users\radin\OneDrive\Desktop>curl -X "GET" https://localhost:7074/api/Entries/ListEntries
[{"entries_Id":6,"entries_name":"Radin's entry","description":"Radin's description","location":"Japan","images":"png","t
imeline_Id":8},{ "entries_Id":7,"entries_name":"Radita's entry","description":"Radita's description","location":"Japan","
images":"png","timeline_Id":8},{ "entries_Id":8,"entries_name":"John's entry","description":"John's description","locatio
n":"Japan","images":"png","timeline_Id":9}]
C:\Users\radin\OneDrive\Desktop> curl -X "DELETE" https://localhost:7074/api/Timeline/Delete/8

C:\Users\radin\OneDrive\Desktop>curl -X "GET" https://localhost:7074/api/Entries/ListEntries
[{"entries_Id":8,"entries_name":"John's entry","description":"John's description","location":"Japan","images":"png","tim
eline_Id":9}]
C:\Users\radin\OneDrive\Desktop>|
```

Deleting timeline remove all entries associated with that timeline

Many to Many between User and timeline test

/api/UserTimeline/LinkUserToTimeLine

```
C:\Users\radin\OneDrive\Desktop>curl -X "POST" "https://localhost:7074/api/UserTimeline/LinkUserToTimeline?userId=1&timelineId=10"
C:\Users\radin\OneDrive\Desktop>curl -X "POST" "https://localhost:7074/api/UserTimeline/LinkUserToTimeline?userId=1&timelineId=9"
C:\Users\radin\OneDrive\Desktop>curl -X "POST" "https://localhost:7074/api/UserTimeline/LinkUserToTimeline?userId=8&timelineId=9"
C:\Users\radin\OneDrive\Desktop>curl -X "GET" https://localhost:7074/api/UserTimeline/ListUserTimeline
[{"usertime_Id":6,"timeline_Id":10,"user_id":1},{ "usertime_Id":7,"timeline_Id":9,"user_id":1},{ "usertime_Id":8,"timeline_Id":9,"user_
id":8}]
C:\Users\radin\OneDrive\Desktop>|
```

Attempting A user that is already exists in timeline

```
C:\Users\radin\OneDrive\Desktop>curl -X "POST" "https://localhost:7074/api/UserTimeline/LinkUserToTimeline?userId=8&timelineId=9"
["This user is already linked to the specified timeline."]
C:\Users\radin\OneDrive\Desktop>|
```

/api/UserTimeLine/UnlinkUserFromTimeline

```
C:\Users\radin\OneDrive\Desktop>curl -X "DELETE" "https://localhost:7074/api/UserTimeline/UnlinkUserFromTimeline?userId=1&timelineId=10"

C:\Users\radin\OneDrive\Desktop>curl -X "GET" https://localhost:7074/api/UserTimeline/ListUserTimeline
[{"usertime_Id":7,"timeline_Id":9,"user_id":1},{"usertime_Id":8,"timeline_Id":9,"user_id":8}]
C:\Users\radin\OneDrive\Desktop>
```

Attempting to unlink A user that is not linked to a timeline

```
C:\Users\radin\OneDrive\Desktop>curl -X "DELETE" "https://localhost:7074/api/UserTimeline/UnlinkUserFromTimeline?userId=1&timelineId=10"
["The user is not linked to this timeline."]
C:\Users\radin\OneDrive\Desktop>
```

Deleting User

```
C:\Users\radin\OneDrive\Desktop>curl -X "GET" https://localhost:7074/api/UserTimeline/ListUserTimeline
[{"usertime_Id":7,"timeline_Id":9,"user_id":1},{"usertime_Id":8,"timeline_Id":9,"user_id":8},{"usertime_Id":9,"timeline_Id":10,"user_id":1}]
C:\Users\radin\OneDrive\Desktop>curl -X "DELETE" https://localhost:7074/api/User/Delete/8

C:\Users\radin\OneDrive\Desktop>curl -X "GET" https://localhost:7074/api/UserTimeline/ListUserTimeline
[{"usertime_Id":7,"timeline_Id":9,"user_id":1},{"usertime_Id":9,"timeline_Id":10,"user_id":1}]
C:\Users\radin\OneDrive\Desktop>
```

Even though user id 8 was deleted the timeline timeline id 8 still exists and its other users