

## Start Application

With JVM installed, you can run the JAR file from command line by the command “java -jar time-deposit-kata-1.0-SNAPSHOT.jar”

```
Command Prompt

C:\>dir time-deposit-kata-1.0-SNAPSHOT.jar
Volume in drive C is Windows-SSD
Volume Serial Number is B6B0-730D

Directory of C:\

10/06/2025  02:06 AM           55,953,283 time-deposit-kata-1.0-SNAPSHOT.jar
               1 File(s)          55,953,283 bytes
               0 Dir(s)  844,451,737,600 bytes free

C:\>java -jar time-deposit-kata-1.0-SNAPSHOT.jar|
```

Application will be started if everything is fine.

```
Command Prompt - java -jar

H2Dialect does not need to be specified explicitly using 'hibernate.dialect' (remove the property setting and it will be
selected by default)
2025-10-06T02:33:19.726+01:00 INFO 14424 --- [main] org.hibernate.orm.connections.pooling : HHH10001005:
Database info:
    Database JDBC URL [Connecting through datasource 'HikariDataSource (HikariPool-1)']
    Database driver: undefined/unknown
    Database version: 2.3.232
    Autocommit mode: undefined/unknown
    Isolation level: undefined/unknown
    Minimum pool size: undefined/unknown
    Maximum pool size: undefined/unknown
2025-10-06T02:33:22.405+01:00 INFO 14424 --- [main] o.h.e.t.j.p.i.JtaPlatformInitiator : HHH000489: No
JTA platform available (set 'hibernate.transaction.jta.platform' to enable JTA platform integration)
2025-10-06T02:33:22.607+01:00 INFO 14424 --- [main] j.LocalContainerEntityManagerFactoryBean : Initialized J
PA EntityManagerFactory for persistence unit 'default'
2025-10-06T02:33:23.290+01:00 INFO 14424 --- [main] o.s.d.j.r.query.QueryEnhancerFactory : Hibernate is
in classpath; If applicable, HQL parser will be used.
2025-10-06T02:33:24.908+01:00 WARN 14424 --- [main] JpaBaseConfiguration$JpaWebConfiguration : spring.jpa.op
en-in-view is enabled by default. Therefore, database queries may be performed during view rendering. Explicitly configu
re spring.jpa.open-in-view to disable this warning
2025-10-06T02:33:25.026+01:00 INFO 14424 --- [main] o.s.v.b.OptionalValidatorFactoryBean : Failed to set
up a Bean Validation provider: jakarta.validation.NoProviderFoundException: Unable to create a Configuration, because n
o Jakarta Validation provider could be found. Add a provider like Hibernate Validator (RI) to your classpath.
2025-10-06T02:33:25.843+01:00 INFO 14424 --- [main] o.s.b.a.h2.H2ConsoleAutoConfiguration : H2 console av
ailable at '/h2-console'. Database available at 'jdbc:h2:mem:dcbapp'
2025-10-06T02:33:26.098+01:00 INFO 14424 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat starte
d on port 8080 (http) with context path '/'
2025-10-06T02:33:26.120+01:00 INFO 14424 --- [main] o.ikigaidigital.TimeDepositApplication : Started TimeD
epositApplication in 11.751 seconds (process running for 12.177)
```

## Swagger UI

Open browser and go to “<http://localhost:8080/swagger-ui/index.html>” and click the down arrows

The screenshot shows the Swagger UI interface in a web browser. The browser's address bar displays `localhost:8080/swagger-ui/index.html`. The Swagger logo is in the top left, and a search bar contains `/v3/api-docs` with an **Explore** button. The main heading is **Time Deposit API** with version **1.0** and **OAS 3.1** tags. Below this, it says `/v3/api-docs` and *API documentation for Time Deposit App*. A **Servers** section shows `http://localhost:8080 - Generated server url`. The **time-deposit-controller** section lists two endpoints: **POST** `/TimeDesposit/update` and **GET** `/TimeDesposit/timeDepositListAll`. Red boxes highlight the downward arrow icons on the right side of each endpoint row.

### RESTful API endpoint to retrieve all time deposits

In the section “`/TimeDeposit/timeDepositListAll`”, click the “Try it out” button and the “Execute” button

This screenshot shows the details for the **GET** endpoint `/TimeDesposit/timeDepositListAll`. It features a **Try it out** button, which is highlighted with a red box. Below the button, there is a **Parameters** section indicating *No parameters*, and a **Responses** section at the bottom.

GET

/TimeDesposit/timeDepositListAll

Parameters

No parameters

Cancel

Execute

Responses

Result will be shown below.

Responses

Curl

```
curl -X 'GET' \
  'http://localhost:8080/TimeDesposit/timeDepositListAll' \
  -H 'accept: */*'

```

Request URL

```
http://localhost:8080/TimeDesposit/timeDepositListAll

```

Server response

Code

Details

200

Response body

```
[{"id":1,"planType":"basic","balance":15381.79,"days":365,"withdrawals":[{"id":3,"amount":182.06,"date":"Oct 5, 2024, 12:00:00 AM"}]},{"id":2,"planType":"student","balance":583694.46,"days":29,"withdrawals":[]},{"id":3,"planType":"premium","balance":323054.04,"days":45,"withdrawals":[{"id":13,"amount":688.39,"date":"Feb 5, 2025, 12:00:00 AM"}]},{"id":21,"amount":281.06,"date":"Apr 29, 2025, 12:00:00 AM"}]},{"id":29,"amount":622.75,"date":"Dec 1, 2024, 12:00:00 AM"}]},{"id":4,"planType":"premium","balance":475852.4,"days":44,"withdrawals":[{"id":1,"amount":542.27,"date":"Nov 2, 2024, 12:00:00 AM"}]},{"id":8,"amount":390.81,"date":"Feb 12, 2025, 12:00:00 AM"}]},{"id":19,"amount":930.5,"date":"Aug 25, 2025, 12:00:00 AM"}]},{"id":5,"planType":"student","balance":812692.58,"days":180,"withdrawals":[{"id":9,"amount":775.0,"date":"Dec 29, 2024, 12:00:00 AM"}]},{"id":12,"amount":430.53,"date":"Apr 29, 2025, 12:00:00 AM"}]},{"id":6,"planType":"student","balance":566133.38,"days":365,"withdrawals":[{"id":30,"amount":830.12,"date":"Mar 21, 2025, 12:00:00 AM"}]},{"id":7,"planType":"basic","balance":154529.53,"days":180,"withdrawals":[{"id":7,"amount":965.86,"date":"May 19, 2025, 12:00:00 AM"}]},{"id":24,"amount":747.05,"date":"Oct 24, 2024, 12:00:00 AM"}]},{"id":8,"planType":"premium","balance":970712.11,"days":90,"withdrawals":[]},{"id":9,"planType":"basic","balance":201702.19,"days":14,"withdrawals":[]},{"id":10,"planType":"basic","balance":901799.63,"days":555,"withdrawals":[]},{"id":11,"planType":"student","balance":135214.98,"days":60,"withdrawals":[]},{"id":12,"planType":"basic","balance":616213.91,"days":30,"withdrawals":[]},{"id":13,"planType":"premium","balance":61743.72,"days":30,"withdrawals":[]},{"id":14,"planType":"student","balance":811496.08,"days":365,"withdrawals":[{"id":16,"amount":994.34,"date":"Nov 1, 2024, 12:00:00 AM"}]},{"id":15,"planType":"student","balance":28643.27,"days":30,"withdrawals":[{"id":10,"amount":475.13,"date":"Jul 7, 2025, 12:00:00 AM"}]},{"id":27,"amount":995.26,"date":"Dec 18, 2024, 12:00:00 AM"}]},{"id":16,"planType":"student","balance":756937.85,"days":90,"withdrawals":[{"id":23,"amount":133.09,"date":"May 4, 2025, 12:00:00 AM"}]},{"id":17,"planType":"premium","balance":824028.25,"days":390,"withdrawals":[]},{"id":18,"planType":"student","balance":944171.89,"days":60,"withdrawals":[]},{"id":19,"planType":"student","balance":144218.21,"days":180,"withdrawals":[{"id":15,"amount":964.76,"date":"Jun 12, 2025, 12:00:00 AM"}]},{"id":11,"amount":564.47,"date":"Aug 28, 2025, 12:00:00 AM"}]},{"id":20,"planType":"premium","balance":506039.92,"days":60,"withdrawals":[]},{"id":21,"planType":"basic","balance":336192.86,"days":29,"withdrawals":[]},{"id":22,"planType":"basic","balance":862321.16,"days":60,"withdrawals":[{"id":25,"amount":566.16,"date":"Mar 25, 2025, 12:00:00 AM"}]},{"id":23,"planType":"premium","balance":101464.78,"days":365,"withdrawals":[]},{"id":24,"planType":"student","balance":412958.51,"days":490,"withdrawals":[{"id":28,"amount":413.48,"date":"Oct 26, 2024, 12:00:00 AM"}]},{"id":25,"planType":"basic","balance":381173.3,"days":33,"withdrawals":[{"id":18,"amount":595.94,"date":"Jul 5, 2025, 12:00:00 AM"}]},{"id":26,"planType":"basic","balance":885751.92,"days":80,"withdrawals":[{"id":16,"amount":177.75,"date":"Apr 6, 2025, 12:00:00 AM"}]},{"id":15,"amount":824.47,"date":"Nov 8, 2024, 12:00:00 AM"}]},{"id":27,"planType":"premium","balance":43501.30,"days":365,"withdrawals":[{"id":22,"amount":1358.84,"date":"May 1, 2025, 12:00:00 AM"}]},{"id":16,"amount":361.24,"date":"Jan 26, 2025, 12:00:00 AM"}]},{"id":28,"planType":"basic","balance":267783.1,"days":60,"withdrawals":[{"id":14,"amount":767.06,"date":"Nov 27, 2024, 12:00:00 AM"}]},{"id":14,"amount":757.75,"date":"Jun 30, 2025, 12:00:00 AM"}]},{"id":17,"amount":739.64,"date":"May 30, 2025, 12:00:00 AM"}]},{"id":29,"planType":"basic","balance":844812.75,"days":60,"withdrawals":[{"id":20,"amount":455.68,"date":"Jan 20, 2025, 12:00:00 AM"}]},{"id":30,"planType":"premium","balance":520826.06,"days":165,"withdrawals":[{"id":34,"amount":454.34,"date":"May 10, 2025, 12:00:00 AM"}]}]
```

Download

## RESTful API endpoint to update the balances of all time deposits in the database

In the section “/TimeDeposit/update”, click the “Try it out” button and the “Execute” button

time-deposit-controller ^

POST /TimeDesposit/update ^

Parameters

No parameters

Responses

Try it out

POST /TimeDesposit/update ^

Parameters

No parameters

Execute

Responses

Code Description Links

Cancel

Result will be shown below.

Responses

Curl

```
curl -X 'POST' \
  'http://localhost:8080/TimeDesposit/update' \
  -H 'accept: */*' \
  -d ''
```

Request URL

```
http://localhost:8080/TimeDesposit/update
```

Server response

Code Details

200

Response body

```
Time deposits updated.
```

Download

Response headers

```
connection: keep-alive
content-length: 22
content-type: text/plain;charset=UTF-8
date: Mon, 06 Oct 2025 01:54:22 GMT
keep-alive: timeout=60
```