

Test case T001

Test number	T001	Test name	Deployment
Description	Create a new deployment of web app and database		
Prerequisite tests		Test creator	Jakub Novák
Tests requirements from assignment	1, 2, 3, 5, 7, 8, 9	Test creation date	2026-01-04

Steps

1. Connect to Microsoft SQL Server using SQL Server Management Studio.
2. Start the SQL Server Agent service if it is not running.
 - See <https://database.guide/enable-sql-server-agent-via-ssms/> for a guide.
3. Create a new query.
4. Paste script within `database.sql` into the newly created query.
5. Confirm that the table definitions in the query contain columns with types `decimal`, `bit`, `varchar`, `datetime` and that some columns have a check constraint in the form of `check(<column> in ('<str1>', '<str2>', ...))`.
6. Execute query.
7. Reload Databases in *Object Explorer*.
8. Confirm that a database named `egg_bank` was created.
9. Confirm that the database contains tables `users`, `account`, `payment`, `log` and `log_msg_type`.
10. Install dependencies with `npm install`.
11. Update configuration options in the `.env` file in project root directory.
 - See `README.md` for configuration options.
12. Run the server with `npm run dev`.
13. Change configuration to something incorrect and try to restart server.
 - Server can be stopped by pressing CTRL-C.
14. Confirm that server does not start and prints an error message.
15. Open Web UI in a browser at the address `http://localhost:5173`.
16. Open *Login* page.
17. Log in with name `admin` and password `Hunter12`.
18. Click on *Import data* button.
19. For the first file input select `users.json` from the `export/` directory.
20. For the second file input select `account.json` from the `export/` directory.
21. For the third file input select `payment.json` from the `export/` directory.
22. Click on *Import*.

Confirmation of expected results

1. Click on button labeled *Back to dashboard*.
2. Confirm that log section contains messages of user creation and opening of accounts.
3. Click on button labeled *Logout*.
4. Click on button labeled *Login*.
5. Enter name `karel` and password `karel`.
6. Confirm that user `karel` has two accounts opened one of type `basic` and the other of type `savings`.
 - Under account name there should be written either `basic` or `savings`.

7. Confirm that in both accounts there are some eggs stored.

- Under account type there should be a number greater than 0 with an egg (🥚) after.