Politechnika Białostocka Bezpieczeństwo Aplikacji Internetowych	Prowadzący: dr inż. Maciej Brzozowski

Temat: PS-1 Przygotowanie Warsztatu pracy.
   1.   Dominik Adrian Kruk
   2.   Mateusz Matocha
	Ocena:

1. Specyfikacja środowiska i technologii:

   Język programowania: Java EE version 1.8.171

   Baza danych: Oracle Database 11g Express Edition Release 11.2.0.2.0 - 64bit Production

   Technologie: Spring 4.0; Thymeleaf 3.0.9; Hibernate 5.2; HTML 5;

   System Operacyjny: Windows 10 Home Edition Wersja 10.0.17134 Kompilacja 17134
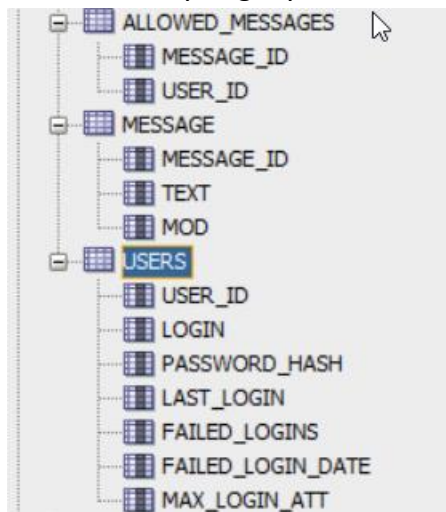
   Program do zarządzania bazą danych: Oracle SQL Developer Version 17.3.0.271

   Środowisko programistyczne(IDE): IntelliJ IDEA 2017.3.2 (Ultimate Edition)

   Build #IU-173.4127.27, built on December 25, 2017

2. Wykonanie zadań:

   1) Stworzenie wymaganych tabel i relacji:
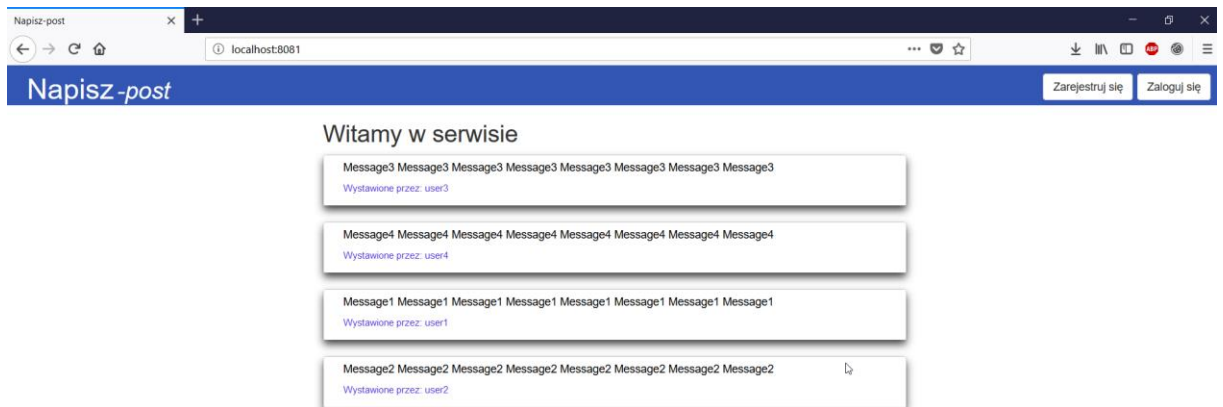

   2) Uzupełnienie przykładowymi danymi:

   tabela Users:

   tabela Messages:

tabela Allowed_Messages:

	MESSAGE_ID	USER_ID
1	1	2
2	1	3
3	1	4
4	2	1

3) Implementacja strony do wyświetlania wiadomości:

3. Skrypty:

CREATE TABLE USERS(

  USER_ID NUMBER CONSTRAINT USERS_PK PRIMARY KEY,

  LOGIN VARCHAR2(100) UNIQUE,

  PASSWORD_HASH VARCHAR2(100),

  LAST_LOGIN DATE,

  FAILED_LOGINS NUMBER DEFAULT 0 NOT NULL,

  FAILED_LOGIN_DATE DATE,

  MAX_LOGIN_ATT NUMBER DEFAULT 3 NOT NULL,

  CONSTRAINT USR_MAX_RANGE CHECK(MAX_LOGIN_ATT BETWEEN 3 AND 10)

);
CREATE TABLE MESSAGE(

  MESSAGE_ID NUMBER CONSTRAINT MESSAGE_PK PRIMARY KEY ,

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  TEXT VARCHAR2(200),

  MOD NUMBER CONSTRAINT USERS_FK REFERENCES USERS(USER_ID)

);


CREATE TABLE ALLOWED_MESSAGES (

  MESSAGE_ID NUMBER CONSTRAINT MSG_ID_FK REFERENCES MESSAGE(MESSAGE_ID),

  USER_ID NUMBER CONSTRAINT USR_ID_FK REFERENCES USERS(USER_ID),

  CONSTRAINT ALL_MSG_PK PRIMARY KEY (MESSAGE_ID, USER_ID)

);
insert into users values (users_seq.nextval,
'user1','$2a$11$4Ttz61zmXVMhKD77.tvRsu6d0EvunMVam8da/o3We/p7E6eG34d.u',
CURRENT_DATE, 0, null, 3);

insert into users values (users_seq.nextval,
'user2','$2a$11$rswUrzX32wkUIdouxS98Neq5Dt..6t14nuCXAP3RYKsEBalzthE72',
CURRENT_DATE, 0, null, 3);

insert into users values (users_seq.nextval,
'user3','$2a$11$/JBVUb/kRleB8Pkb0X/DuOcUWVgBfjT8SRHPtqddkI8QyYWbg1BwK',
CURRENT_DATE, 0, null, 3);

insert into users values (users_seq.nextval,
'user4','$2a$11$PHdBasedWvuIMFSlNEwk6OU92lWfiG/64SWz2vMLKZr76oIYH9Ke6',
CURRENT_DATE, 0, null, 3);



insert into message VALUES (message_seq.nextval, 'First message text First message text
First message text First message text First message text First message text', 1);

insert into message VALUES (message_seq.nextval, 'Second message text Second message
text Second message text Second message text Second message text Second message text',
2);

insert into message VALUES (message_seq.nextval, 'Third message text Third message text
Third message text Third message text Third message text Third message text', 3);

insert into message VALUES (message_seq.nextval, 'Fourth message text Fourth message
text Fourth message text Fourth message text Fourth message text Fourth message text', 4);
```

```sql
insert into allowed_messages VALUES (1, 2);

insert into allowed_messages VALUES (1, 3);

insert into allowed_messages VALUES (1, 4);

insert into allowed_messages VALUES (2, 1);
```