Student & Course (In schema “demo”)

Student Login (Login Form/ Login Validation)

Id (pk) - int

Name - string

Email - string

Mobile - long

courseId (fk) - int

CREATE TABLE `demo`.`student` (

`id` INT NOT NULL AUTO\_INCREMENT,

`name` VARCHAR(45) NULL,

`email` VARCHAR(45) NULL,

`mobile` BIGINT(10) NULL,

`course\_id` INT NULL,

PRIMARY KEY (`id`),

INDEX `fkey1\_idx` (`course\_id` ASC) VISIBLE,

CONSTRAINT `fkey1`

FOREIGN KEY (`course\_id`)

REFERENCES `demo`.`course` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION);

INSERT INTO `demo`.`student` (`name`, `email`, `mobile`, `course\_id`) VALUES ('sundar', 'sundar@google.com', '9944159844', '1');

INSERT INTO `demo`.`student` (`name`, `email`, `mobile`, `course\_id`) VALUES ('mark', 'mark@fb.com', '8903189371', '2');

Course

Id (pk) - int

Name - string

Category - string

Duration (days) - int

CREATE TABLE `demo`.`course` (

`id` INT NOT NULL AUTO\_INCREMENT,

`name` VARCHAR(45) NULL,

`category` VARCHAR(45) NULL,

`duration` INT NULL,

PRIMARY KEY (`id`));

INSERT INTO `demo`.`course` (`name`, `category`, `duration`) VALUES ('Core JAVA', 'Programming Language', '7');

INSERT INTO `demo`.`course` (`name`, `category`, `duration`) VALUES ('Servlet', 'Server Side Coding', '3');

INSERT INTO `demo`.`course` (`name`, `category`, `duration`) VALUES ('HTML', 'Front End', '2');

pgAdmin scripts

CREATE TABLE public.course

(

id serial NOT NULL,

name character varying(75),

category character varying(75),

duration integer,

PRIMARY KEY (id)

);

ALTER TABLE public.course

OWNER to postgres;

CREATE TABLE public.student

(

id serial NOT NULL,

name character varying(75),

email character varying(75),

mobile bigint,

course\_id integer,

PRIMARY KEY (id),

CONSTRAINT fkey1 FOREIGN KEY (course\_id)

REFERENCES public.course (id) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION

NOT VALID

);

ALTER TABLE public.student

OWNER to postgres;

CREATE TABLE public.student

(

id serial NOT NULL,

name character varying(75),

email character varying(75),

mobile bigint,

course\_id integer,

PRIMARY KEY (id),

CONSTRAINT fkey1 FOREIGN KEY (course\_id)

REFERENCES public.course (id) MATCH SIMPLE

ON UPDATE NO ACTION

ON DELETE NO ACTION

NOT VALID

);

ALTER TABLE public.student

OWNER to postgres;

Step 1: Open Eclipse

Step 2: Create new Maven project (javalin)

Step 3: Add javalin dependency to pom.xml

<?xml version="1.0" encoding="utf-8"?>

<!DOCTYPE hibernate-configuration PUBLIC

"-//Hibernate/Hibernate Configuration DTD 3.0//EN"

"http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">

<hibernate-configuration>

<session-factory>

<property name="connection.url">jdbc:mysql://localhost:3306/jpa\_jbd?serverTimezone=UTC&useSSL=false</property>

<property name="connection.username">root</property>

<property name="connection.password">password</property>

<property name="connection.driver\_class">com.mysql.jdbc.Driver</property>

<property name="dialect">org.hibernate.dialect.MySQL8Dialect</property>

<!-- 'show\_sql' set true to check sql statements on console else set to false -->

<property name="show\_sql">true</property>

<property name="format\_sql">true</property>

<!-- use 'create' to Create tables on application startup else use 'update'-->

<property name="hbm2ddl.auto">create</property>

<!-- JDBC connection pool -->

<property name="connection.pool\_size">5</property>

<property name="current\_session\_context\_class">thread</property>

<!-- Domain Model classes to be mapped -->

<mapping class="com.javabydeveloper.domain.Student" />

</session-factory>

</hibernate-configuration>