

JAM

Job Application Management – a full stack application intended to manage job applications from the perspective of an applicant. Created using following tools and components:





















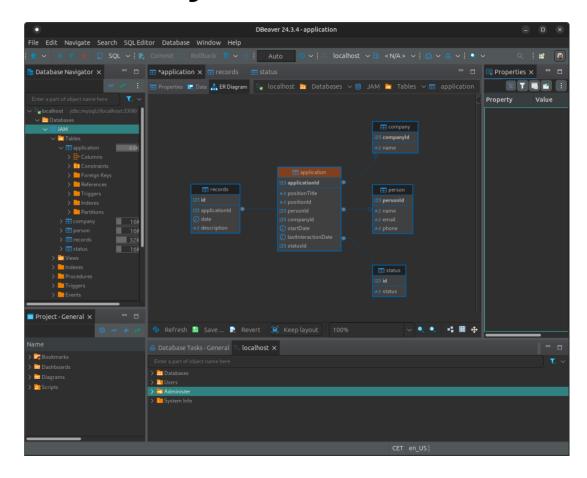
Database layer

MySQL used as base layer database.

Layout of tables and views created using DBeaver



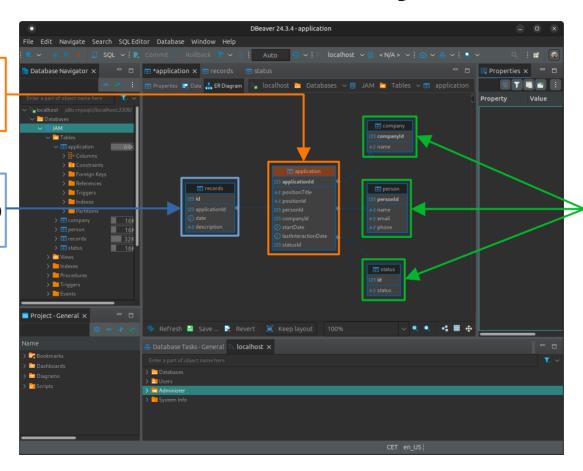




Database layer

"application" table used to hold information about applications

"records" table for various notes related to a particular application.



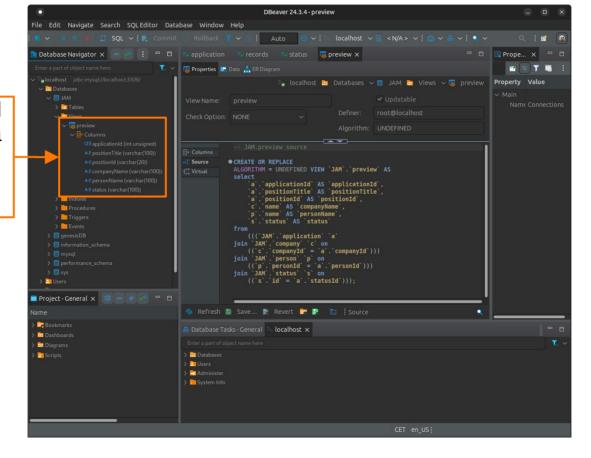
Tables holding information about persons, companies and status connected to "application" table via foreign keys





Database layer

"preview" view created to ease access to data used for application card (see front end section)







- Java based
- Spring boot used for REST web service/web server creation
- Maven used for packaging
- Coded in Intellij Idea IDE (community edition)
- Hibernate used for interactions with database
- Postman used for testing











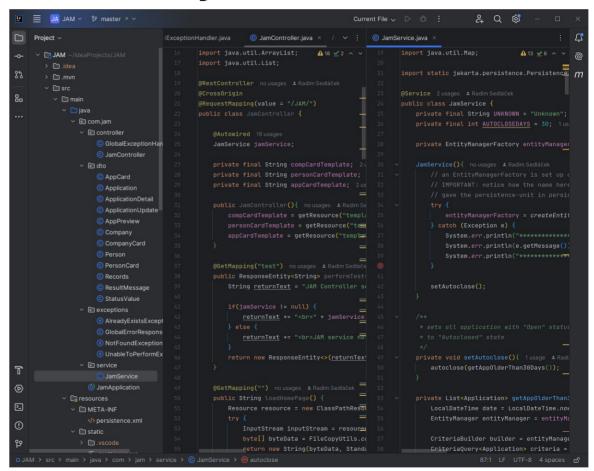
Spring boot application/controller/service leveraged for requests processing

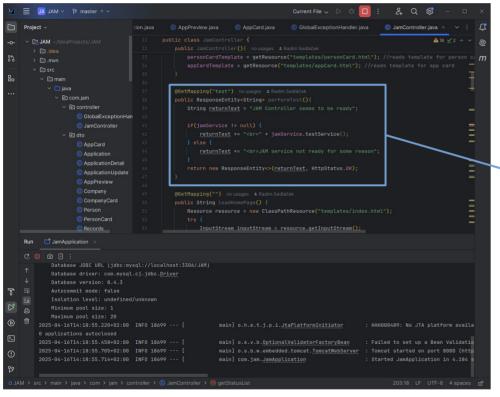












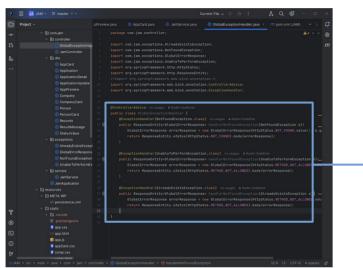
A simple test of service and database readiness available on address "test"











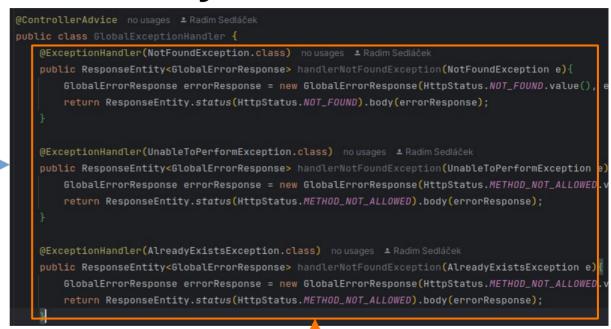
Spring boot @ExceptionHandler leveraged for error processing

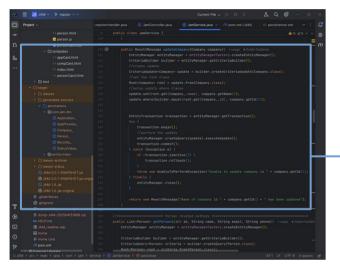
```
HIBERNATE
```







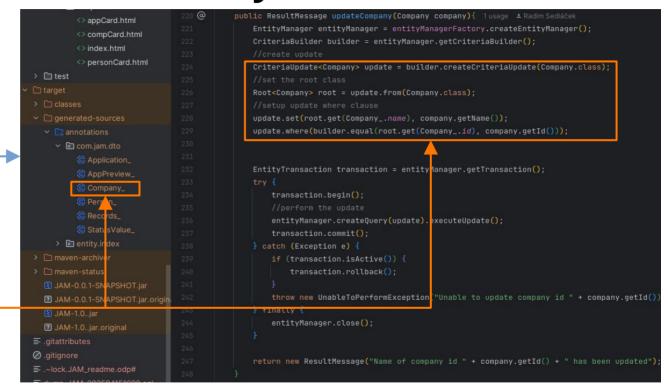




Hibernate static meta-model leveraged to enforce type safety











During every start the service checks database for application with idle time longer than 30 days and auto closes them

```
PMAXIMUM pool $12e: 20
2025-04-16T14:18:55.220+02:00 INFO 18699 --- [
0 applications autoclosed
2025-04-16T14:18:55.458+02:00 INFO 18699 --- [
```









```
package com.jam:
                                      import org.springframework.boot.SpringApplication:
                                      import org.springframework.boot.autoconfigure.SpringBootApplication:
∨ li main
                                      public class JamApplication {

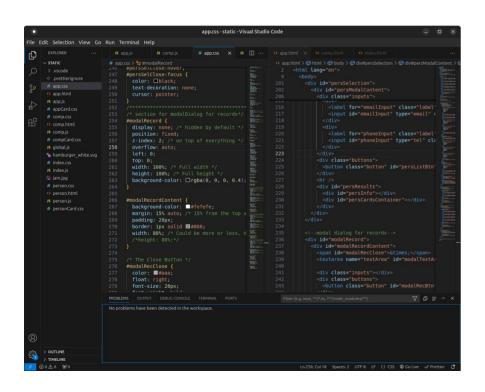
√ In com.iam

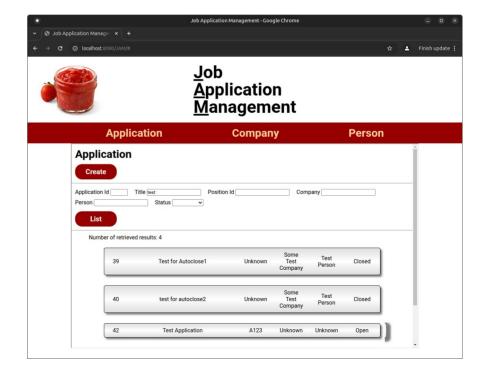
        ✓ In controller
                                          public static void main(String[] args) { ± Radim Sedláček
            GlobalExceptionHar
            (C) JamController
        ∨ li dto
            (C) AppCard
            Application
            (C) Application Detail
            Application Ipdate
            (C) AppPreview
            © Company
            © CompanyCard
            © PersonCar
JamApplication
    Database JDBC URL Lidbc:mvsql://localhost:3306/JAM
    Database driver: com.mysql.cj.jdbc.Driver
    Database version: 8 4.3
    Isolation level: un efined/unknown
2025-04-16T14:18:55.220+02:00 TNFO 18699 ---
                                                                                                         HHH000489: No JTA platform availa
0 applications autoclosed
2025-04-16T14:18:55.458+02:00 INFO 18699 ---
                                                                                                         Failed to set up a Bean Validatio
                                                         main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port 8080 (http
2025-04-16T14:18:55.714+02:00 INFO 18699
                                                         main] com.jam.JamApplication
                                                                                                         Started JamApplication in 4.184
```

- HTML/CSS/Javascript based web page
- Coded in Visual Studio Code





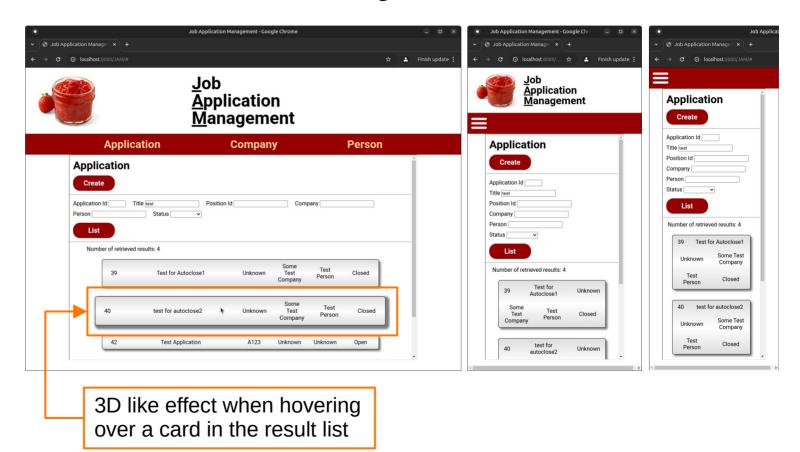


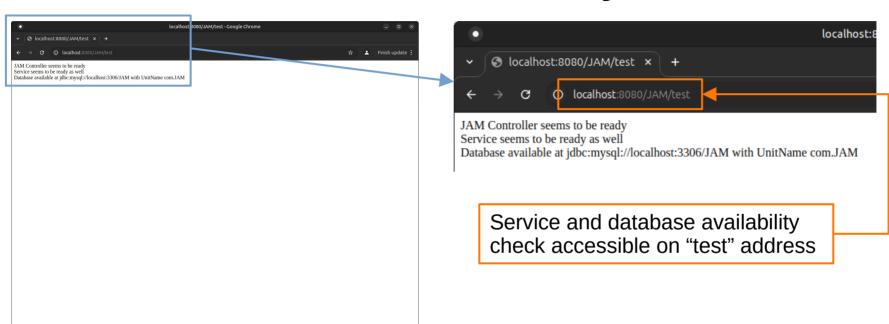


Responsive design for use on desktop, tablet as well as smart phone



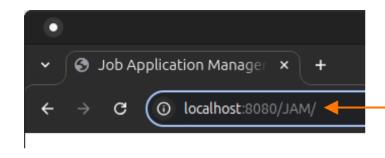








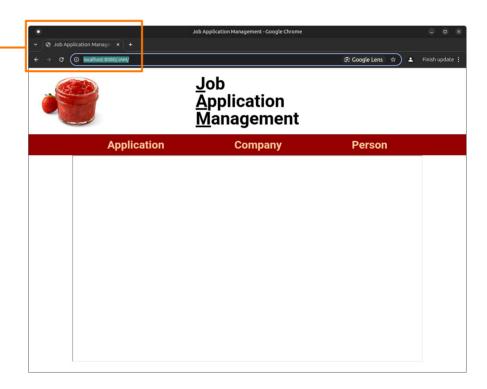


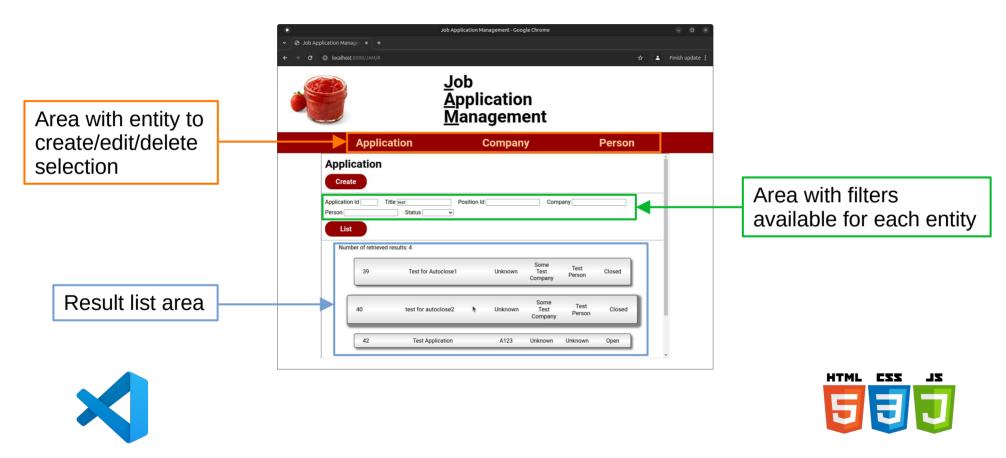


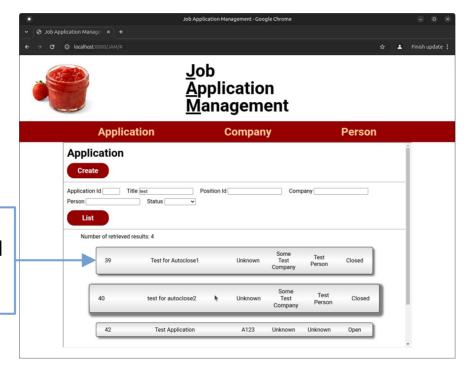
When the server is running, the main web page itself available on "JAM" address



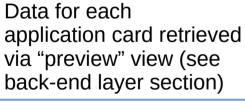








Clicking on a card will select given application for update





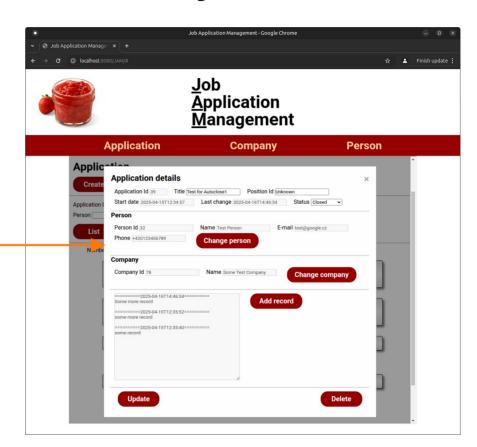


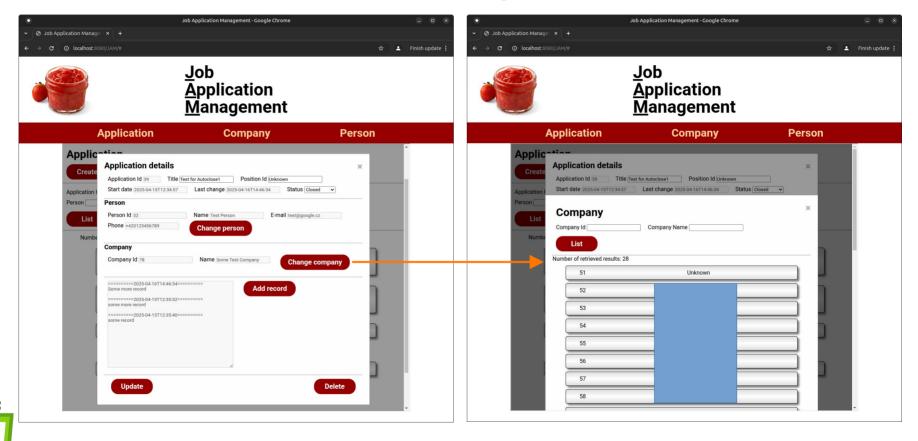
After selecting an application, modal window like dialog appears to allow changes.

Available changes include change of contact person or company as well as recording notes, or deletion of the application



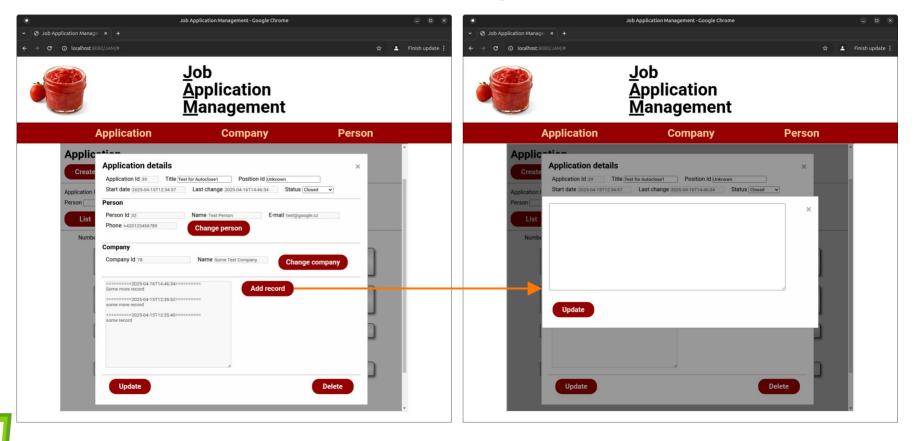












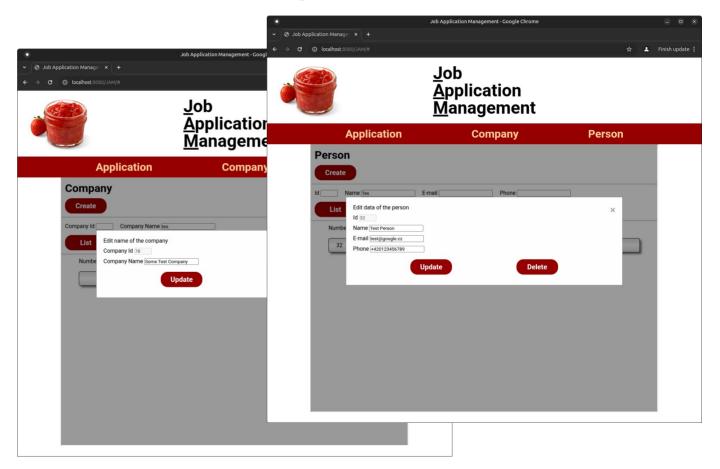






Same approach for editing an entity using modal like dialog is used for company and person as well





JAM

Source code available on https://github.com/radimSed/JAM.git

Other work available on https://github.com/radimSed



















