

The screenshot shows the Eclipse IDE with the `application.properties` file open. The configuration includes database connection details for MySQL, server settings, and the API base path. The console at the bottom shows the application starting successfully.

```
1 spring.datasource.url=jdbc:mysql://${MYSQL_HOST:localhost}:${MYSQL_PORT:3306}/test?useUnicode=true&useJDBCCompliantTimezone
2 Shift=true&useLegacyDatetimeCode=false&serverTimezone=UTC
3 server.error.whitelabel.enabled=false
4 server.port=8080
5 spring.datasource.username=${MYSQL_USER:root}
6 spring.datasource.password=${MYSQL_PASSWORD:root}
7
8 spring.jpa.open-in-view=false
9 spring.thymeleaf.cache=false
10 api.base.path = http://localhost:8080 // this the port i set where tomcat run
11
```

Console Log:

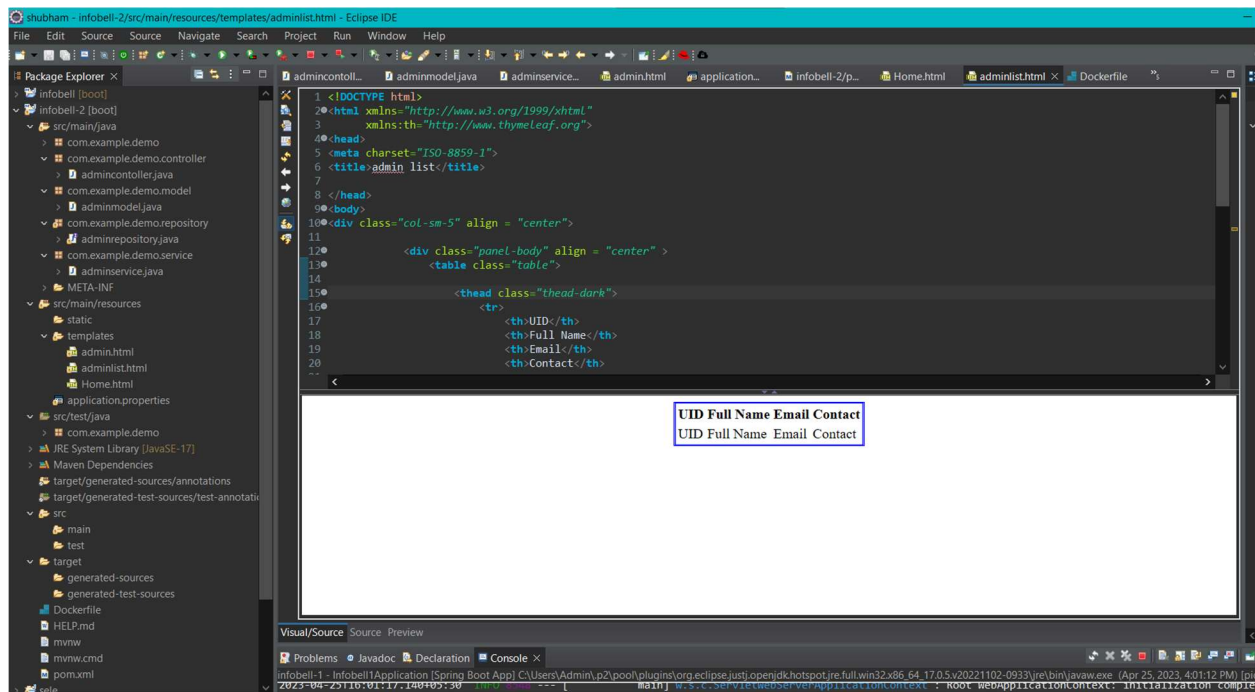
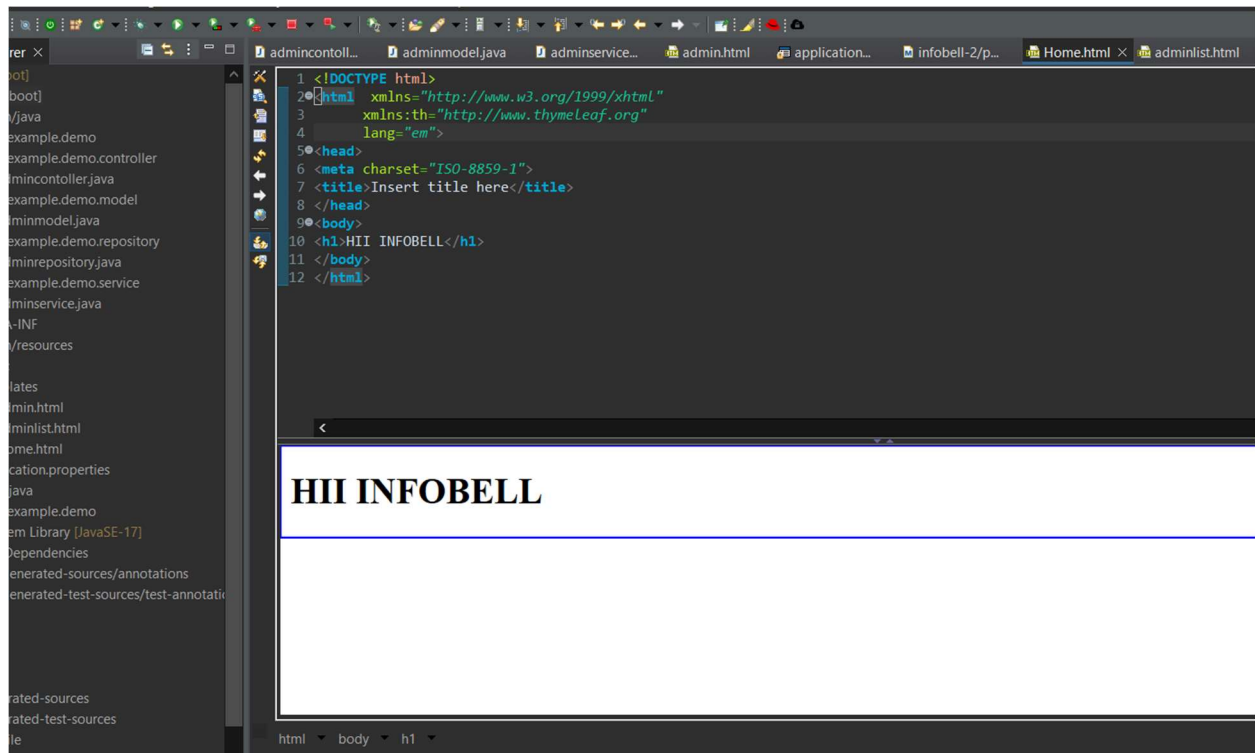
```
infobell-1 - InfobellApplication [Spring Boot App] C:\Users\Admin\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102-0933\jre\bin\java.exe (Apr 25, 2023, 4:01:12 PM) [pid: 8548]
2023-04-25T11:01:12.140+03:30 [main] w.s.s.servistwebserver.applicationcontext - root webapplicationcontext: initialization completed in
```

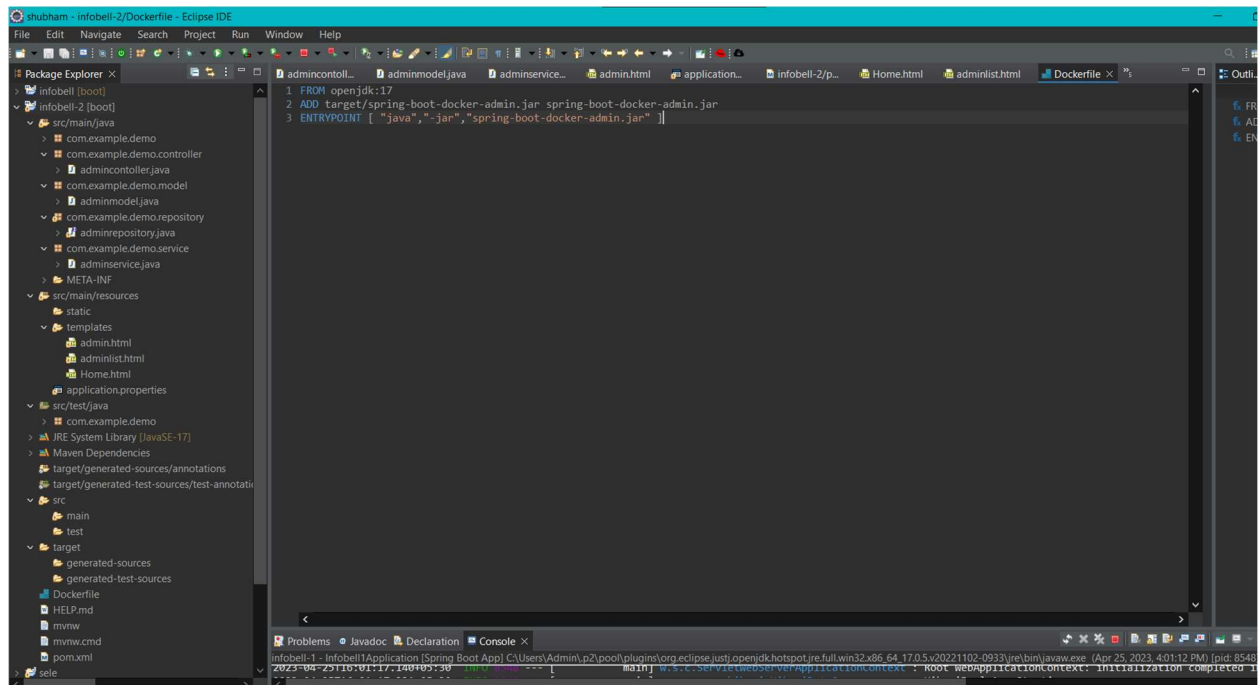
The screenshot shows the Eclipse IDE with the `pom.xml` file open. The configuration includes dependencies for Spring Boot, Thymeleaf, and MySQL, as well as build plugins for Spring Boot and Maven.

```
18 </properties>
19 <dependencies>
20   <dependency>
21     <groupId>org.springframework.boot</groupId>
22     <artifactId>spring-boot-starter-data-jpa</artifactId>
23   </dependency>
24   <dependency>
25     <groupId>org.springframework.boot</groupId>
26     <artifactId>spring-boot-starter-thymeleaf</artifactId>
27   </dependency>
28   <dependency>
29     <groupId>org.springframework.boot</groupId>
30     <artifactId>spring-boot-starter-web</artifactId>
31   </dependency>
32   <dependency>
33     <groupId>com.mysql</groupId>
34     <artifactId>mysql-connector-j</artifactId>
35     <scope>runtime</scope>
36   </dependency>
37   <dependency>
38     <groupId>org.springframework.boot</groupId>
39     <artifactId>spring-boot-starter-test</artifactId>
40     <scope>test</scope>
41   </dependency>
42 </dependencies>
43 </dependencies>
44
45 <build>
46   <plugins>
47     <plugin>
48       <groupId>org.springframework.boot</groupId>
49       <artifactId>spring-boot-maven-plugin</artifactId>
50     </plugin>
51   </plugins>
52   <finalName>spring-boot-docker-admin</finalName>
53 </build>
54
```

Console Log:

```
infobell-1 - InfobellApplication [Spring Boot App] C:\Users\Admin\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102-0933\jre\bin\java.exe
2023-04-25T11:01:12.140+03:30 [main] w.s.s.servistwebserver.applicationcontext - root webapplicationcontext: initialization completed in
```





```
Microsoft Windows [Version 10.0.19045.2728]
(c) Microsoft Corporation. All rights reserved.

D:\shubham\infobell-2>docker build -t spring-boot-docker-admin.jar .
[+] Building 0.5s (2/2) FINISHED
=> [internal] load build definition from Dockerfile                                0.5s
=> => transferring dockerfile: 28                                                0.4s
=> [internal] load .dockerignore                                                  0.4s
=> => transferring context: 28                                                    0.3s
failed to solve with frontend dockerfile.v0: failed to read dockerfile: open /var/lib/docker/tmp/buildkit-mount4174908850/Dockerfile: no such file or directory

D:\shubham\infobell-2>docker build -t spring-boot-docker-admin.jar .
[+] Building 7.9s (8/8) FINISHED
=> [internal] load build definition from Dockerfile                                0.0s
=> => transferring dockerfile: 185B                                              0.0s
=> [internal] load .dockerignore                                                  0.0s
=> => transferring context: 28                                                    0.0s
=> [internal] load metadata for docker.io/library/openjdk:17                    3.0s
=> [auth] library/openjdk:pull token for registry-1.docker.io                   0.0s
=> [internal] load build context                                                  3.4s
=> => transferring context: 87.16MB                                              3.3s
=> CACHED [1/2] FROM docker.io/library/openjdk:17@sha256:528707081fdb9562eb819128a9f85ae7fe000e2fbaeaf9f87662e7b 0.0s
=> [2/2] ADD target/spring-boot-docker-admin.jar spring-boot-docker-admin.jar    0.7s
=> exporting to image                                                            0.6s
=> => exporting layers                                                            0.5s
=> => writing image sha256:d24a4b5928df724e151918344c89f0c226e705ad9898fd0cb374954ef37a6459 0.0s
=> => naming to docker.io/library/spring-boot-docker-admin.jar                  0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

D:\shubham\infobell-2>docker pull mysql
Using default tag: latest
latest: Pulling from library/mysql
328ba678bf27: Pull complete
f3f5ff008d73: Pull complete
dd7054d6d0c7: Pull complete
70b5d4e8750e: Pull complete
cdc4a7b43bdd: Pull complete
a0608f8959e0: Pull complete
```



```
D:\shubham\infobell-2>docker pull mysql
Using default tag: latest
latest: Pulling from library/mysql
328ba678bf27: Pull complete
f3f5ff008d73: Pull complete
dd7054d6d0c7: Pull complete
70b5d4e8750e: Pull complete
cdc4a7b43bdd: Pull complete
a0608f8959e0: Pull complete
5823e721608f: Pull complete
a564ada930a9: Pull complete
539565d00e89: Pull complete
a11a06843fd5: Pull complete
92fed4aa041d: Pull complete
Digest: sha256:a43f6e7e7f3a5e5b90f857fbed4e3103ece771b19f0f75880f767cf66bbb6577
Status: Downloaded newer image for mysql:latest
docker.io/library/mysql:latest

D:\shubham\infobell-2>
D:\shubham\infobell-2>docker images
REPOSITORY          TAG             IMAGE ID        CREATED         SIZE
spring-boot-docker-admin.jar    latest         d24a4b5928df   7 minutes ago   559MB
spring-boot-docker-shubham1.jar latest         ab91bf5cc4d8   2 days ago      493MB
image1                latest         380475a76b13   3 days ago      179MB
mysql                 latest         8189e588b0e8   7 days ago      564MB
postgres             latest         6044af29582c   2 months ago    40.7MB
webserver            latest         6044af29582c   2 months ago    40.7MB
<none>               <none>         732bc5a8317c   2 months ago    40.7MB
postgres             <none>         9f3ec01f884d   3 months ago    379MB
nginx                latest         a99a39d070bf   3 months ago    142MB

D:\shubham\infobell-2>docker run -d -p 3307:3306 --name mysqlpdb -e MYSQL_ROOT_PASSWORD=root -e MYSQL_DATABASE=test mysql
d87e86b53397944ce5d04d7ab30f416484c627c690567818f95df6fdf39d4f9f
```

```
D:\shubham\infobell-2>docker images
REPOSITORY          TAG             IMAGE ID        CREATED         SIZE
spring-boot-docker-admin.jar    latest         d24a4b5928df   37 minutes ago   559MB
spring-boot-docker-shubham1.jar latest         ab91bf5cc4d8   2 days ago      493MB
image1                latest         380475a76b13   3 days ago      179MB
mysql                 latest         8189e588b0e8   7 days ago      564MB
postgres             latest         6044af29582c   2 months ago    40.7MB
webserver            latest         6044af29582c   2 months ago    40.7MB
<none>               <none>         732bc5a8317c   2 months ago    40.7MB
postgres             <none>         9f3ec01f884d   3 months ago    379MB
nginx                latest         a99a39d070bf   3 months ago    142MB

D:\shubham\infobell-2>docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED         STATUS         PORTS                               NAMES
d87e86b53397  mysql    "docker-entrypoint.s..." 37 minutes ago  Up 37 minutes  33060/tcp, 0.0.0.0:3307->3306/tcp  mysqlpdb

D:\shubham\infobell-2>docker network create spring-net
78db2ad8b6660917a7afbd7af4d8e2d3fce5f09e871a668442cac3cdeb08581

D:\shubham\infobell-2>docker run -p 9090:8080 --name app --net spring-net -e MYSQL_USER=root -e MYSQL_PASSWORD=root -e MYSQL_PORT=3306 spring-boot-docker-admin
Unable to find image 'spring-boot-docker-admin:latest' locally
docker: Error response from daemon: pull access denied for spring-boot-docker-admin, repository does not exist or may require 'docker login': denied: requested resource is denied.
See 'docker run --help'.

D:\shubham\infobell-2>docker run -p 9090:8080 --name app --net spring-net -e MYSQL_USER=root -e MYSQL_PASSWORD=root -e MYSQL_PORT=3306 spring-boot-docker-admin
```

```
D:\shubham\infobell-2>docker network ls
NETWORK ID      NAME      DRIVER  SCOPE
fc7fc6c18bd8    bridge   bridge  local
365f6209c566    host     host    local
3366f8b469a5    none     null    local
78db2ad8b666    spring-net bridge  local

D:\shubham\infobell-2>docker run -p 9090:8080 --name app --net spring-net -e MYSQL_USER=root -e MYSQL_PASSWORD=root -e MYSQL_PORT=3306 spring-boot-docker-admin
D:\shubham\infobell-2>docker network connect spring-net mysqlpdb

D:\shubham\infobell-2>docker run -p 9090:8080 --name app --net spring-net -e MYSQL_USER=root -e MYSQL_PASSWORD=root -e MYSQL_PORT=3306 spring-boot-docker-admin
docker: Error response from daemon: Conflict. The container name "/app" is already in use by container "cb662bd78833dbff706e4b454c946baa9d322132b9ebf2253caee". You have to remove (or rename) that container to be able to reuse that name.
See 'docker run --help'.

D:\shubham\infobell-2>docker rm app
app

D:\shubham\infobell-2>docker run -p 9090:8080 --name app --net spring-net -e MYSQL_USER=root -e MYSQL_PASSWORD=root -e MYSQL_PORT=3306 spring-boot-docker-admin
```

```

un 'docker network COMMAND --help' for more information on a command.

:\shubham\infobell-2>docker network rm spring-net
Error response from daemon: error while removing network: network spring-net id 78db2ad8b6660917a7afbd7af4dbe2d3fce5fb09e871a668442cac3cdeb08581 has active en

:\shubham\infobell-2>docker network rm spring-net 78db2ad8b666
Error response from daemon: error while removing network: network spring-net id 78db2ad8b6660917a7afbd7af4dbe2d3fce5fb09e871a668442cac3cdeb08581 has active en
Error response from daemon: error while removing network: network spring-net id 78db2ad8b6660917a7afbd7af4dbe2d3fce5fb09e871a668442cac3cdeb08581 has active en

:\shubham\infobell-2>docker network rm 78db2ad8b666
Error response from daemon: error while removing network: network spring-net id 78db2ad8b6660917a7afbd7af4dbe2d3fce5fb09e871a668442cac3cdeb08581 has active en

:\shubham\infobell-2>docker network create boot-net
b5bffb58d2adb5e96eb4f570c495ba29ce88b9b9b626fc578f67e1f3b9d9061

:\shubham\infobell-2>docker network ls
NETWORK ID          NAME                DRIVER              SCOPE
b5bffb58d2a        boot-net            bridge              local
c7fc6c18bd8        bridge              bridge              local
65f6209c566        host                host                local
366f8b469e5        none                null                local
8db2ad8b666        spring-net          bridge              local

:\shubham\infobell-2>docker network connect boot-net mysqlldb

:\shubham\infobell-2>docker container inspect mysqlldb

```

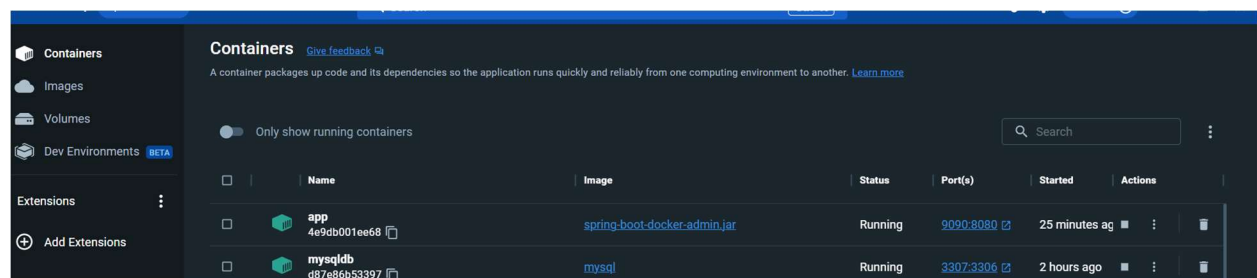
```

D:\shubham\infobell-2>docker network disconnect spring-net mysqlldb

D:\shubham\infobell-2>docker network disconnect boot-net mysqlldb

D:\shubham\infobell-2>docker container inspect mysqlldb
{
  "Id": "d87e86b53397944ce5d04d7ab30f416484c627c690567818f95df6fdf39d4f9f",
  "Created": "2023-04-25T08:45:07.881289019Z",
  "Path": "docker-entrypoint.sh",
  "Args": [
    "mysqld"
  ],
  "State": {
    "Status": "running",
    "Running": true,
    "Paused": false,
    "Restarting": false,
    "OOMKilled": false,
    "Dead": false,
    "Pid": 3304,
    "ExitCode": 0,
    "Error": "",
    "StartedAt": "2023-04-25T08:45:09.233502591Z",
    "FinishedAt": "0001-01-01T00:00:00Z"
  },
  "Image": "sha256:8189e588b0e8fcc95b0d764d6f7bdb55b5b41e9249157177d73781058f603ca9",
  "ResolvConfPath": "/var/lib/docker/containers/d87e86b53397944ce5d04d7ab30f416484c627c690567818f95df6fdf39d4f9f/resolv.conf",
  "HostnamePath": "/var/lib/docker/containers/d87e86b53397944ce5d04d7ab30f416484c627c690567818f95df6fdf39d4f9f/hostname",
  "HostsPath": "/var/lib/docker/containers/d87e86b53397944ce5d04d7ab30f416484c627c690567818f95df6fdf39d4f9f/hosts",
  "LogPath": "/var/lib/docker/containers/d87e86b53397944ce5d04d7ab30f416484c627c690567818f95df6fdf39d4f9f/d87e86b53397944ce5d04d7ab30f416484c627c690567818f95df6fdf39d4f9f-json.log",
  "Name": "/mysqlldb",
  "RestartCount": 0,
  "Driver": "overlay2",
  "Platform": "linux",
  "MountLabel": "",
  "ProcessLabel": ""
}

```



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