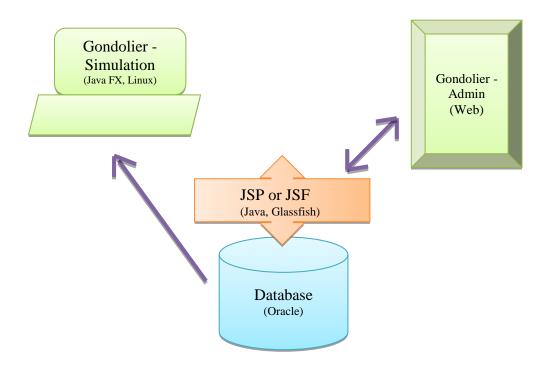
## **Overview**

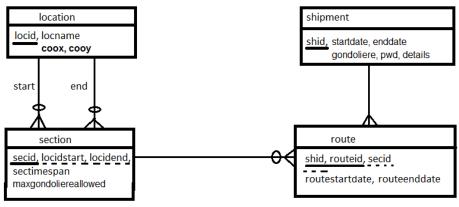
As Venice has problems with inrush of tourists, an appropriate software for gondoliers is necessary.

- gondoliers enter their shipments
- and simulate their drivings to get a more accurate time estimation for deliveries.

### **Architecture**



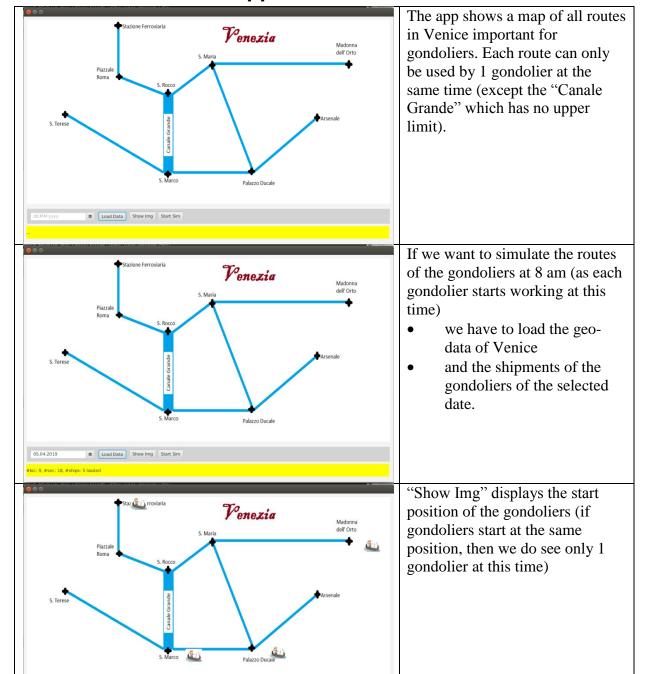
# **Data Dictionary**

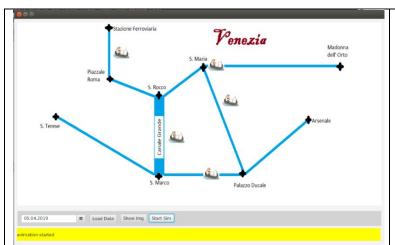


Batchfile with DDL – commands

## **Gondolier's Java FX Application**

m Load Data Show Img Start Sim



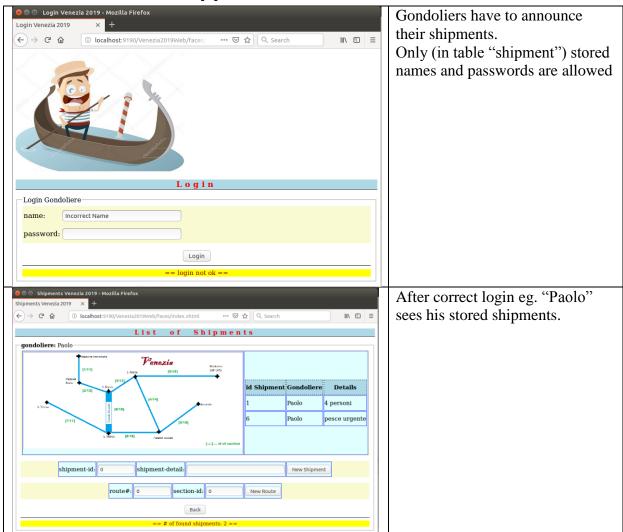


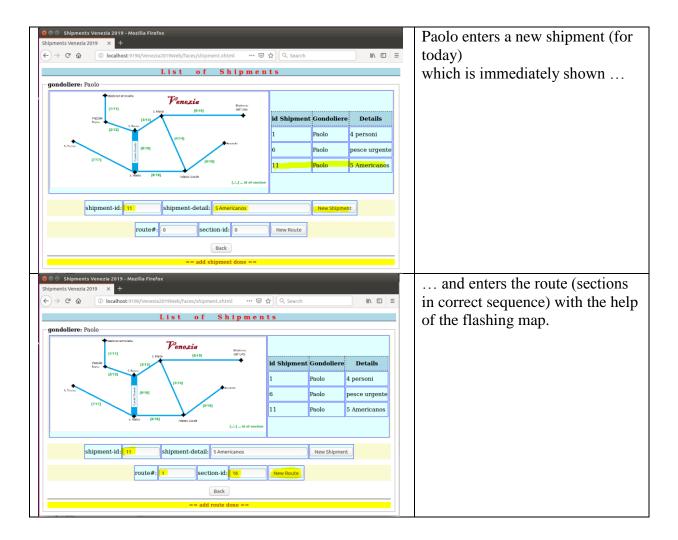
if we start the simulation, gondolieres are displayed rowing along the loaded routes.

#### **Hints:**

- x- and y-coordinates of locations are stored in table "location";
- The simulated time (in msec) for a gondolier to drive on a certain channel is stored in table "section". As a gondolier is no machine, the estimated time is random +/- 20% of stored time.
- Each section stores the number of gondoliers which can use this part at the same time.

# **Gondolier's Web Application**





# **Hints for Developer**

- apps must run on the Ubuntu VM
- any settings (for database, url etc.) have to be documented
- keep an eye on your SW architecture
- delivery: zipped projects and an appropriate readme.txt