

Group 22: MadeInItaly

Jonas Ha - jonasha92@gmail.com (9205073175)

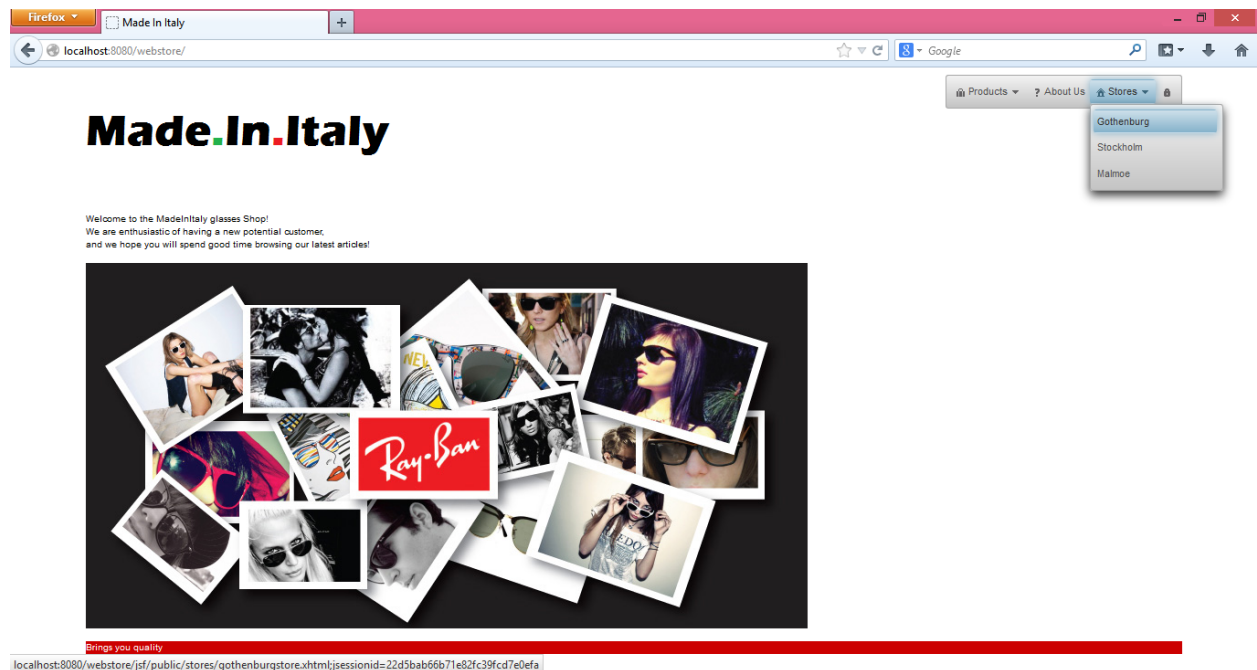
Andrea Montanari - andrea.montanari92@gmail.com (920508P137)

Timocin Zaynal - timocin.zaynal@gmail.com (9107100233)

Josef Haddad - josef.haddad91@gmail.com (9112195319)

System overview:

The Web Application that our group has created is supposed to take part in the world of marketing websites, where the biggest industries of the sector advertise their newest products. In this sector, the web app is focused in showing to all the users the newest releases, (we choose Ray-Ban as brand), the actual available products and the products on sale, giving the user the possibility to make a reservation for a specific product and going to one of the selected store to pick up the item.



The possible users can explore the entire web application at all, and they do not need to log in on the website because to make a reservation a user will just need to type some personal information that will be stored in a database. The only “user” that will have the permission to log-in and modify the products list and the store information is the administrator.

List of functional use cases

Front end:

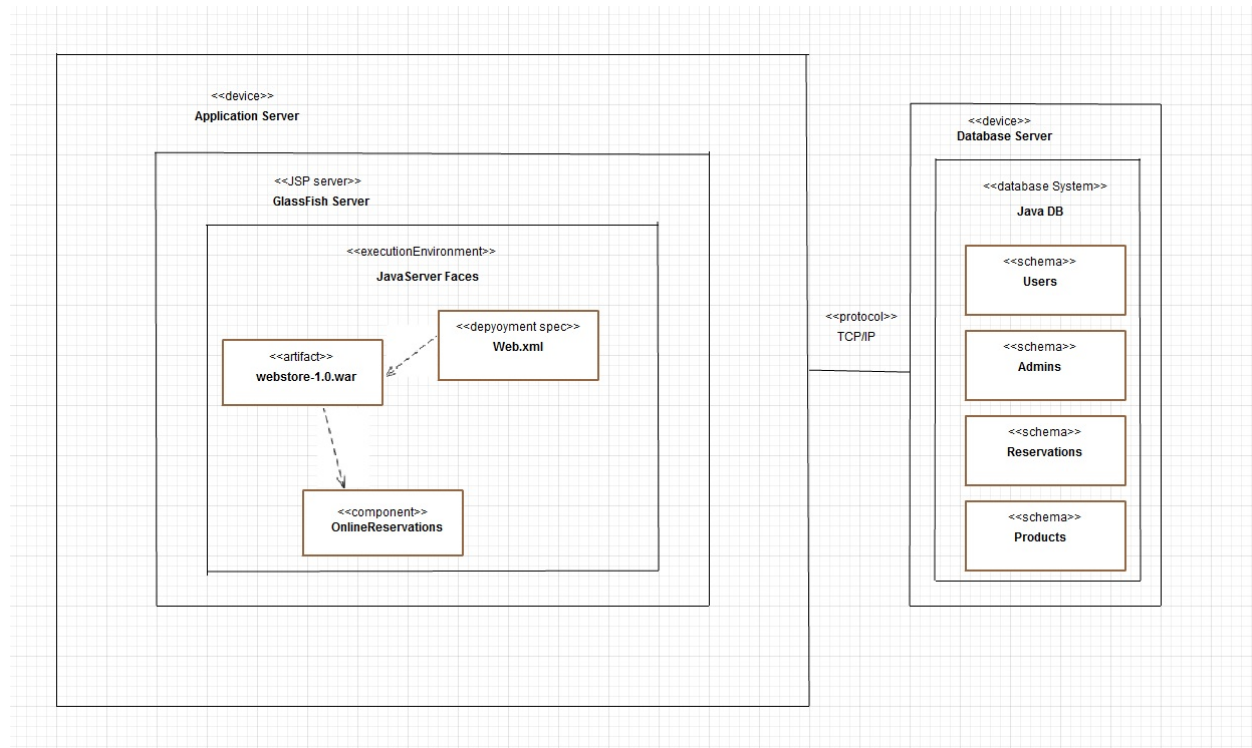
- Add a new product: by clicking on the Add button, it shows a prompt to insert a new product (price, image, type, name, in which store/s is available)
- Edit a product: by clicking on the Edit button, it shows a prompt to modify an existing product and update it
- Delete a product: by clicking on the Delete button, it shows a message if you really want to delete the selected product from the web app and from the database
- Navigation: by clicking on the arrow buttons, the users can browse the glasses catalogue, that is set to show 10 items per page
- Confirm a reservation: by clicking on the Confirm button, the administrator can authorize the selected reservation, that was made by an user
- Delete a reservation: by clicking on the Remove button, the administrator can delete the selected reservation, that was previously made by an user

Back end:

- Make a reservation: By clicking on the Reserve button, it shows a prompt to fill the Name, Surname, E-mail text fields, and to select from a drop down list the Store where to collect the product
- Exploring the web app: The user can explore all the pages of the web app: in the home page there are some main information about the latest and on sale products, then in the Products pages the user can browse all the list of the existing products and in the Stores page the user can read some information regarding the positions and opening times.

Technical design of the system:

Physical set up (tiers)



Participating software components distributed over the tiers

We used the open source library named *PrimeFaces*, which is a JSF 2.0 component suite that helped us to implement the main buttons and the drop-down menu to show the available stores of the web app.

We have written the code for all the buttons mainly in the two templates, in order to get visible from every page and to give the user a more more clean design and ordered vision. We used the Javascript language to create the Login popup dialog box, with the help of PrimeFaces to show the dialog box (User Interface) in the proper way.

Specific techniques of each module

The contents that are shown on the web-application use JSF in XHTML format and templates. For retrieving information from database has JPA been adapted. Backing Beans is the technique that is behind the all the functionalities for each page.

If there is no Backing Bean for a page there is no real functionality on it.

A layered view of the application (GUI, application layer, model, persistence, services)
where does the components fit in.

