Welcome to "Magic Pizza!"



- <u>Purpose:</u> Build a (very basic) web application called "Magic Pizza". With only 1 page, it allows a Pizza restaurant to receive and process pizza orders from the web.
- User Stories (using simplified Gherkin):

1) Feature: Order page (home page)

Scenario: access Order page

Given As a Customer

When invoking "Magic Pizza" URL

Then the Pizza order page is displayed

See Order page mockup →

Price Pizza "1": 5\$

Price Pizza "2": 6 \$

Price Pizza "3": 7 \$

2) Customer orders a pizza

Scenario: Nominal Pizza order

Given As a Customer

When filling all fields properly (

Selecting "1" as Pizza type AND

set 2 on Quantity AND

set "Smith" on Name AND

set "NYC" on Address AND

set "12345678" on Telephone)

AND press the Submit button

Then a message in the page is returned "Thanks! Your order has been recorded. You will have to pay <computed Pizza type unit price * Qty> (here 10\$) to the delivery man"

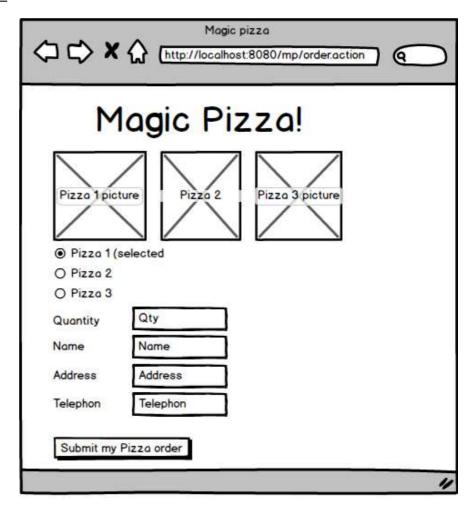
Scenario: Error in Pizza order

Given As a Customer

When set Quantity to "NaN"

AND press the Submit button

Then a message in the page is returns "Sorry Quantity is not a number!"



Constraints:

- You MUST use the Java language and its server side component (Java Enterprise Edition)
- You MUST use Test Driven Development for validation rule at least
- You MUST Apache Struts 2 (http://struts.apache.org/) framework to build the Magic Pizza web application (and its JEE elements: JSP, action,...).

Track:

- You may use maven for easier scaffolding (see Struts 2 archetype) and code generation.
- Test Driven Development is preferred, at least for checking rule (Quantity field is a number)
- You may use the Struts 2 "Getting Started" documentation and "Bootstrap" tutorial which is VERY helpful for building the application if you do not know the Struts framework.
- KISS (Keep It Simple Stupid!): for any question or doubt you may have, which is not covered by this document, take the easiest assumption for you but record it on one README file.

• Deliverables:

- Java Web Archive (.war) file, which MUST be installable on Apache Tomcat server.
- All Source code and other files used to build the application a "MagicPizza.zip" Zip archive file
- Inside the zip file, at root, you MUST write a README file with:
 - o JDK, JEE and Tomcat version used
 - o Web archive build command to build the application from source code
 - o List of all assumptions made so far (see Remark below)
 - o Any additional remark you may want to add





