

FIXES AND IMPROVEMENTS SUMMARY

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1 FRONT END

1.1 *Fix the pictures stretched*

- In the header (the logo)
- in the current state page
 - the pictures of the bridge, if I change my screen, are stretched
 - the google maps picture, the wind rose picture and the stack picture are always stretched

1.2 *Fix the footer*

- add the last timestamp from the 10 minutes table

1.3 *Order of the pages*

- Think if it could be useful put them in vertical instead in horizontal
- Home
- Current state
- M-N domain → call it “Actual Situation” or better “Criticity” ...it's up to you :-)
- History
- Parameters
- Statistics

1.4 *Visibility of the pages*

- **external user**
 - home page
 - current state page
- **operator**
 - home page
 - current state
 - M-N domain/Criticity page
 - history/historical data page
- **engineer**
 - home page
 - current state
 - M-N domain/Criticity page
 - history/historical data page
 - parameters
 - statistics
- **administrator**
 - only the administrator page

1.5 Add the Admin page

- it is visible only to the administrator after he logs in
- it is the only page visible by the administrator
- put there a list of the users with some buttons to delete/modify the user attributes
- add the module to add new users

1.6 Add the M-N domain page

- add the M-N domain graph with the pylon
- add the T/D checkboxes to select the worst case table
 - by default, they are checked, so the right table is the 11
- add the worst case table
 - some fixes on the columns:
 - Worst case → re-name it into Safety Factor
 - Combination Number/Label → re-name it into combination
- add a legend for the combinations
 - you can check the technical documentation for more informations or ask to me or to Lorenzo
- add the alarm button to send alarms
 - if possible, it should send an e-mail to the “engineers”
 - if not possible, you could create a pop-up window in which you can say:
 - “further implementations: pushing this button it will be send an e-mail to: (and here you add the names and the e-mails of the registered engineers) which are in charge to examine the situation. The critical situation is: (and here you put the worst case table). And then bla bla bla... :-)

1.7 Home page

- add/improve the description of the project (I will provide it to you asap)
 - purposes
 - features
 - some useful links to documentation (user guide, installation guide, technical documentation)
 - tell about NTC 08 and EU 305/2011
- add a description of each member

1.8 Current State page

- delete the worst case table
 - move it in the M-N domain page
- add (if you think that it's useful) a dynamic map (play with the dimensions :-)):
 - `<iframe src="https://www.google.com/maps/embed?pb=!1m14!1m12!1m3!1d3436.954016966272!2d10.754984923790765!3d45.045481853266686!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!5e1!3m2!1sit!2sit!4v1387812176144" width="600" height="450" frameborder="0" style="border:0"></iframe>`
- add the link to the official Po site (AIPO) for the borgoforte river values (under the labels)
 - <http://46.37.22.75/aipo/current.asp?ID=2&Measure=All>
 - <http://46.37.22.75/aipo/Data.asp?Station=2&Measure=All>
- improve the quality of the labels, adding the real data and also the water height in meter (which is water level – river bed level)
- the right order of the labels (with the right measure units) is:
 - flow rate [m^3/s]
 - water speed [m/s]
 - water level [m asl]
 - water height [m]
 - river bed level [m asl]
 - wind speed [m/s]
 - wind direction [$^\circ$] (specify that it is the direction FROM which the wind comes)
- change the labels of the graphs:
 - anemometer → re-name in wind speed
 - for the max wind speed, don't draw a curve, but only points
 - block/set the y axis from 0 to 45 m/s
 - wind direction
 - set/block the y axis from 0 to 360°
 - Hydrometer graph → re-name in water height
 - the blue line is the water level
 - the red line is the river bed level
- Truncate the decimals in the graphs (maximum 2 decimals)

1.9 History Diagrams page

- call it only “history” or “historical data”
- for the graphs it's the same said for the Current State page

1.10 Parameters page

- delete the Parameter Data ID column and the Parameter ID column
- delete the User ID column
- add a column with 1,2,3,... to order the parameters
- ask to Lorenzo for further fixes about the other columns

1.11 Statistics page

- add more statistics like
 - wrong values
 - errors
 - uncertain values
 - etc

2 BACK END

2.1 *Mathematical Stuffs*

- Try to find a method to fix a limit to the files that could be parsed simultaneously (Lorenzo, ask me if you don't understand...you know it's difficult to explain :-))
- Finalize the controller to avoid to fill with 0 the DB when the data are finished

2.2 *Authentication System*

- Finalize the Authentication System

3 DOCUMENTATION STUFFS

3.1 *User Guide*

- Describe how to use our product
- Describe what it could do and what it cannot do
- Describe the use cases
- Describe the functionalities
- etc

3.2 *Installation Guide*

- Describe the prerequisites for the installation of the product
- Describe how to configure tomcat with mysql
- Describe how to install it on Windows
- Describe how to install it on Linux
- Describe how to deploy the site
- Describe where are the configuration path file (in which the program could search the data sources)
- Describe the package that we'll distribute
 - First Version (without sources) it contains:
 - the executable
 - the mysql schema
 - the installation guide
 - the user guide
 - the technical documentation
 - the EngineConfig folder
 - the Source folder
 - the license
 - Second Version (with sources)
 - the first version plus
 - the sources
 - the javadocs → produce the javadocs

4 Suggestions? You're welcome :-)