**MSE @ UC**

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**Project #1 Report**

**Enterprise Application Integration**

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## Instructions to compile and run CameraSearchXML

Prerequisites:

* Ant should be installed in the system.
* Java should be installed in the system.

1. Unzip the source files to a directory.
2. Open a shell in that directory and run the command “ant”.
3. Go to the directory “dist” that has just been created.
4. Run the command “java –jar CameraSearchXML.jar <brand>”

## Design decisions

### In the first application

To have an xml file with some settings, for the sake of modifiability. This file is the file camerasearchSettings.xml and it has the following settings:

SiteUrl - Dpreview site URL

ListOfBrandsUrl – pattern for the

Currently, it has the following values:

<Settings>

<SiteUrl>**http://www.dpreview.com**</SiteUrl>

<ListOfBrandsUrl>**http://www.dpreview.com/reviews/specs/#BRAND#/**</ListOfBrandsUrl>

</Settings>

### In the XSD for the first application

To have the horizontal resolution and vertical resolution separated in different elements:

* Since in the second application it will be necessary to compare different resolutions, it will be easier if the horizontal and vertical components of a resolution are separated, to perform some math.

To have certain elements, such as the EffectivePixels, the ImageRatio and others in a string format and not in a numeric format:

* Since these elements will not be used for anything besides being rendered as strings, it is not necessary to have them in numeric format.

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| --- | --- | --- |
| Student | Mostly involved in | Time spent |
| Carlos Simões | * First application * Definition of the XSD for the first application |  |
| Miguel Oliveira | * Third application * Regular expressions |  |
| Pedro Saraiva | * Second application * Definition of the XSD for the second application |  |