**USEBEAN –**

UseBean:

The way we create and use java beans is through the JSP syntax :

*<jsp:useBean id=”” class=”” score=”” />*

* The ID Attribute is the name of the new Object.
* The class Attribute is the import off the JAVA class so path has to be defined there
* And the scope defines the scope you want your object to be set

As the line of code only creates an empty object (Bean) , its attributes have to be set.

And the other option is to set them one by one like this

*<jsp:setProperty name=”” property=”title” />*

* The name attribute has to match the Id of the bean

If the bean has a set method for an attribute called title it will have the name

Like : setTitle(String title) so when the jsp page will compile to a servlet page and lets say the name of the bean is book, it will be :

Book.setTitle(request.getAttribute(“title”));

*And title has to be the name of the input field in a form for example*

There is the option to set them all in one go like this:

*<* *jsp:setProperty name=”” property=”\*” />*

Then it will go through the attributes in the request and see if there are matching set methods it will set them all in the same line.

All the forms in this project (excluding the file upload form) are using this syntax to create a new bean and store it to the session object. A good example would be the newProjectHandler (Picture 2) where a lot of information from a form is placed in a bean in just two lines :

  
(Picture 2 : *creating a new bean with the name newProject and storing it to the session*)

**Objectives**

The main objective is to create a Web application that is able to handle and document advertisement campaigns that Dell runs in different countries in the Nordic Area, and shrink the work load from Dell’s managers.

It is a platform that partners can go and start a project and request funding, presenting their idea and providing essential information like starting and finishing dates and a description. Then the region manager can read it and make comments if necessary and approve it or reject it.

There is communication tool in every project that keeps track of the conversation so the user can go back in time and read everything without having to search in emails witch is the way it works in the current moment.   
  
There is an upload function in each project so Proof of execution can be uploaded from the Partners side and be controlled by the supervisor of the project and if the proof that the project was executed as intended the project can be marked as finished and the fund is transferred to the Partner through e-banking or external services.

So the problems solved by using this web application are:

* One place for all users to communicate and act with.
* Book keeping to some extent.
* Easy overview of projects running.
* Partners are now responsible to start a project.
* Better and easier supervision of a vast workload for managers.
* Easier proof of execution handling (No more attached files in a mail :P ).