

Re-form Hands on Lab

Hands on Labs - Solution

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# Answers 2.1.1

* **WYSIWYG editors can be troublesome. Many products have been known for the instability or the lack of performance of their designers. Do you know products or frameworks, where the designer is the weak spot? Why do you think the designer is the weak spot?**

Of course there is no single truth, but some reasons might be:

* + Testability: You can’t cover all use cases and complex designs
  + Developer focus more on code driven parts, so the designer has not been tested too much
  + The Designer is often the last feature to be implemented, as the designer relies on finished components.
* **Create a mapping between data type and common controls (such as: string -> TextBox)!**

String -> Text Box, int -> NumericPicker, DateTime -> DateTimePicker, bool -> CheckBox, List ->DropDown, ListBox, TextBox with AutoComplete

* **Discuss the following statements about UIs. Some of them are definitely to be discussed. Which of them do you consider as good which not?**

All answers are highly subjective.

* Check out some additional thoughts about usability (see further links as samples). Discuss approaches such as:

…

* **What is required to design a barrier-free GUI? Why do you think barrier-free pages are important?**

There are many handicapped users. If you want to create pages for a large audience, you have to consider the problems if your web page is not barrier-free.

* **One of the techniques to master in UI development is data binding. If you are new to this topic, research: What is data binding? How can this be achieved? How does a two way data binding differ from a one way data binding? What is an observer pattern?**

Covering this stuff in detail in this answer is out of scope.

# Answers 2.2.4

* **Investigate the phonebook.xml file and try to find out what you can adapt!**

You can adapt for instance names of the project directories, application name, etc.

* **You can create a corporate design via templates to enable you and your fellow developers to create branded applications on a mouse click. On a scale from one to ten, how powerful is this feature?**

Corporate Design is an important issue in many companies. This can be an extremely important feature for your company.

* **The default template is a tabbed editor: Forms are grouped by tabs. Of what can you alternative structures can you think of?**

One idea among many might be Treeviewlike menus

* **What can you configure in the TabbedEditor.xml?**

The core design of the generated web project

* **Expert Questions: Could you also create a Silverlight project based on the domain with UIGen? What would be required to create a tool that creates a Silverlight project?**

Anwering this question is out of scope

# Answers 3.1.1

* **If a junior developer asks what a web handler is, how would you explain this topic?**

See <http://www.c-sharpcorner.com/UploadFile/prathore/ASHXfileHandler03272009023910AM/ASHXfileHandler.aspx>

* **Try do call some forms in the browser. Adapt the URL from the exercise description**

This will work

* **Expert Questions: Discuss the topic session state management!**

This question is out of scope

# Answers 3.2.2

* **Is this behavior to roll back a callstack an “exception to the use of exceptions”?**

Yes

# Answers 4.1.3

* **What are possible problems if you translate your page into another language?**

Text length may vary, so text may be cropped.

# Answers 4.2.3

* **If you compare this strategy to XAML, what are the advantages and disadvantages?**

See also Final Questions

# Final Questions

* **Rich Internet Application vs Web discuss: Many people claim RIA technologies are better than web based technologies. What is your opinion about this? Is it a good idea to replace ASP.NET based pages with new Silverlight pages?**

Silverlight and other RIA technologies are extremely helpful and powerful. But it would be wrong to go on a crusade to replace the last bit of ASP.NET with Silverlight. Especially with business application, you have to be aware that installing Silverlight on client PCs or Notebooks might be forbidden.