

University of Science, VNU-HCM
Faculty of Information Technology

User Interface Design

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Department of Software Engineering



Software Analysis and Design



What to Do in User Interface Design?

- ❖ User Interface Design
 - Layout
 - Interaction

Layout: Mock-up, Sketch

Student Information Help

Student Number: 789-567-234

First Name:

Middle:

Surname:

Salutation: ☐

Date First Enrolled: June 14 2003

Seminars:

Seminar	Term	Mark	Status
CSC 100 Intro to CS	Fall 2003	A+	Passed
CSC 200 Intro to AM	Fall 2003	A	Passed
CSC 203 Advanced AM	Spring 2004	-	Enrolled

Add a seminar Help

Seminar Number:

Name:

Results

Seminar	Term	Sects Avail	Professor
CSC 250 Agile Techniques	Fall 2004	4	Smith, J.
CSC 300 Agile EUP	Spring 2005	17	Jones, S.
CSC 310 Agile Database techniques	Spring 2004	0	Johnson, M.

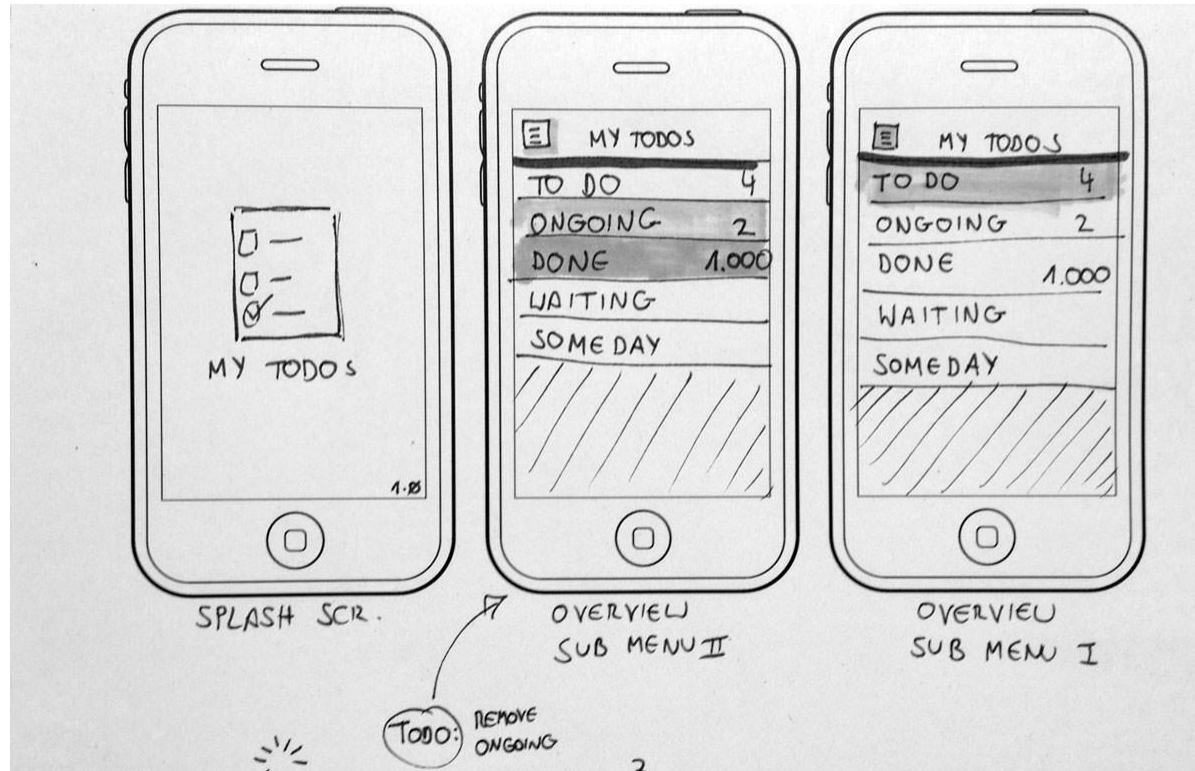
Course description:

CSC 310 Agile Database Techniques

This course describes evolutionary development strategies for data oriented development. See www.agiledb.org for details.

This course currently has 39 people waitlisted for it. Close

Layout: Mock-up, Sketch



- ❖ Load (form/page load, etc):
 - Load all parameters
 - Load all categories
 - Prepare pre-defined values

❖ Buttons on the form:

- Add new, update, delete, exit
- Add new:
 - Validate input data
 - Only accept and save data after validation
 - If there is any problem, notify the user
- Update:
 - Validate input data
 - Only accept and save data after validation
 - If there is any problem, notify the user

❖ Buttons on the form:

- Delete:
 - Ask the confirmation from the user to delete a particular record
 - At least, two options “OK” and “Cancel”
 - The default option: “Cancel”
- Exit:
 - If the content has been modified, please ask for confirmation to save before exit
 - 3 options: Save (Yes), Don't save (No), Cancel
 - The default one can be Save (Yes) or Cancel

- ❖ Choose a new item in a list (listbox, listview, treeview, combobox, checkbox, radiobutton...)
 - If new data should be refreshed on the form
 - If the current data have been modified?
 - Ask for confirmation to save before loading new data
 - 3 options: Save (Yes), Don't save (No), Cancel
 - The default one can be Save (Yes) or Cancel



Advanced Techniques for UI Design

- ❖ Add more information:
 - Entity's attributes
 - Relationship
 - Help, hint
 - History of an entity
 - ...
- ❖ Add more operations:
 - Form/page navigation
 - Sort list of items by clicking on the corresponding header



Advanced Techniques for UI Design

- ❖ Accelerator:
 - Default/pre-defined value
 - Hotkey, shortcut, global hotkey
 - Input data as batch
- ❖ Error handling:
 - Optimistic
 - Notify the errors and help to correct
 - Error Prevention



Advanced Techniques for UI Design

❖ Misc:

- Icon
- Popup menu
- Color
- Diagram/Map