HYP 2024-2025
Design Project: Process, Deliverables, and General Instructions

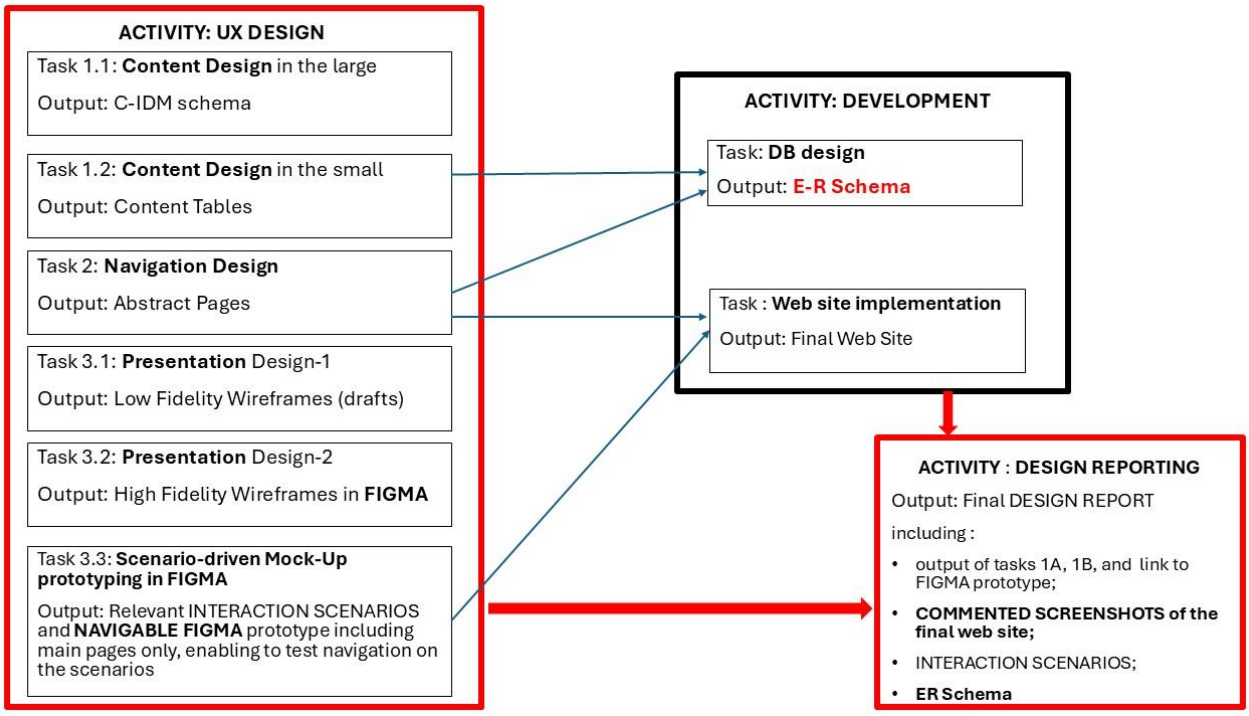
READ VERY CAREFULLY

REMEMBER TO REGISTER TO THE EXAM! Otherwise there is no way to record your final score

Design Project: What you have to do (at-a-glance)

In your design project:

- consider the general **application requirements assigned for your exam session;**
- perform and report the tasks in Activity UX Design;
- after completing your implementation, report your design solutions (including final commented sceenshots including the ER schema of the DB underlying your implemented web site)



Hint: during your design process share your design documentation among all group members and keep it well organized

COMMENTS ON THE TASKS RELATED TO THE DESIGN PROJECT

Tasks 1.1 and 1.2: CONTENT DESIGN

Create C-IDM schema (content design n the large) and Content TABLES (content design in the small)

Hint: Remember to include the **CARDINALITY** in your C-IDM schema

Task 2: NAVIGATION DESIGN

Create **Abstract PAGES**

These are page structures (see course slides Navigation Design) in which each component represents contents, links, or orientation info.

They include

- Labeled slots for the different **content** components - NO realistic content
- Labelled slots for the different **types of links** (structural links, transition links, group links)
- Labelled slots for **orientation info**

Hints: for each abstract mention where that page comes from (name of Topic, Kind of Topic, (Multiple) group); Add additional textual comments only if relevant

Use the terminology properly! Remember that:

- **structural links** enable the user to move from a (part of a) page of a given topic to a "component" of the **same** topic (e.g., in a university web site, from a professor's bio to her publications list)
- **transition links** enable the user to move from a (part of a) page of a given topic to a (part of a) page of a different topic that have a semantic relationship with it (e.g., in a university web site from a course to its teacher)
- **group links** enable the user to move across the elements of a group, e.g., from the introductory page of a group (listing all group members) to the pages of each member, from a member to the next or previous member, from a member to the introductory page of the group, from the introductory page of a group t the introductory page of another group (if these groups are members of a higher level group)
- **landmarks** are those available in all pages

IMPORTANT: ABSTRACT PAGES must be **CONSISTENT** with C-IDM schema

Tasks 3.1-2-3: PRESENTATION DESIGN

3.1: For **each abstract page** create a **LOW FIDELITY WIREFRAMES.**

Note: Images of Low fidelity wireframes must not be included in the final design report

3.2 Using **FIGMA**, create high fidelity Wireframes (corresponding to the low fidelity wireframes defined in 3.1)

Note: Images of these High fidelity wireframes must NOT be included in the final design report

IMPORTANT: Low and High Fidelity Wireframes must be **CONSISTENT** with C-IDM schema and abstract pages

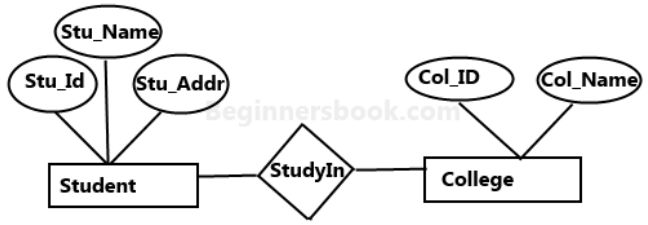
3.3: Scenario-driven Mock-Up prototyping in FIGMA

- Define 2 or 3 **INTERACTION SCENARIOS in textual form**
  An interaction scenario is a "story of use"; it describes a **flow of user interactions** across your web site for users of a given **profile** having a specific **goal** (**SEE SLIDES Design Scenarios);**
- Prototype the 3 scenarios using FIGMA: create and **link** a set of pages in FIGMA that enable the execution of the above scenarios, rendering how the user would navigate across the main pages of your web site; in other words, during the execution of the 3 scenarios, the user will visit examples of all relevant elements of your design (home, pages for topics, kind of topics, groups) and traverse links of all types (structural, group, transition links, and landmarks) at least once

Activity: Development/ DB design

This is not part of UX design, but you are asked to include the data high level design (**E-R diagram)** of the **content** and relationships (**links)** of your web site.

You should know about E-R from previous courses, but some basic concepts can be found here: https://beginnersbook.com/2015/04/e-r-model-in-dbms/;
Please use this super simple notation for your ER Diagram



Sample E-R Diagram

Activity: Development/ Web Site Implementation

Implementation is not part of the design work but it is driven by the design specifications generated during step A; ***it MUST be CONSISTENT WITH THE DESIGN SPECIFICATIONS but it does not have to be reported in the design document.***

IMPORTANT: use **REALISTIC CONTENT** in your web site

IMPORTANT: if for any reason you do not implement 100% of the design specifications, revise such specifications to make them **CONSISTENT with the final implementation**

ACTIVITY DESIGN REPORTING

- Collect and organize your design materials
- Capture the screenshots from your final web site **exemplifying** the most relevant pages of your final application. For each Topic, Kind of Topic and group, provide just ONE example of the corresponding page(s).
- **Add COMMENTS** to your screenshots **-** See example below. Comments highlight the topic/kind of topic/group/multiple group that the page refers to and the different **links, with** their **category** (structural links, transition links, group links).

- Integrate each interaction scenario with (miniaturized) screenshots of the corresponding pages in the final web site

Important: Use the terminology properly!

Important:
The wireframes created during design might be REVISED during the implementation work and at some point become inconsistent with the original schema. .
This is the reason why we require you to include the **final commented screenshots** in the design report, and to have them **CONSISTENT** with Content and Navigation design and with the final implementation

- Create a design document that reports the final output of your **design** process, **NOT** your implementation.

DESIGN DOCUMENT STRUCTURE

Your document MUST follow the **structure** below**:**

Cover: Title + Group members with names and email + Delivery date + **LINK TO YOUR FIGMA PROTOTYPE + LINK TO YOUR RUNNING WEB PROTOTYPE**

1. *Table of Contents ("Index")- WITH PAGE NUMBERS*
2. *Abstract (*3-5 lines that describe what the document is about)
3. *C-IDM Diagram*
4. *Content-in-the small Tables*
5. *Final Commented Screenshots*
6. *Interaction Scenarios*
7. *DB design (ER schema)*
8. *Annex: Abstract Pages*
9.

IMPORTANT

- Include **page numbers**
- Include team-member names in the footer or header of all pages
- The **Design Report** MUST have the following ***FILE NAME format*** **- you will loose 2 points if you do not follow this format:**
  Group-member1 surname, Group-member2 surname, Group-member3 surname-Design Report- delivery date

Where and when to deliver

The design report must be delivered on **WeBeep** by the official exam date.

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