A.U.Th. Progress related to Virtual Wing and more

Status, and Design Intentions

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2Jul2010

Presentation Outline

- Initial Proposal
- Requirements Identification
- User eXperience Goals
- Architecture
- Abstract GUI
- Guestbook
- Questionnaires
- Work
- Timeline

Initial Proposal

Description

Development of an application for Virtual Tours in the Museum

The application will provide an interactive map of the whole Museum. The visitors will use this map to guide the Virtual Navigator application to the Museum's Room that they wish to visit, and then see the exhibits they are interested in. The exhibits will be presented in the form of a blog, using Web interfaces. Each visitor will be able to seek and find individual exhibits using query interfaces. The visitors will be able to leave comments and grades about the contents, as well as to perform context-sensitive searches. Therefore, the following goals will be achieved:

- **Easy access to the contents.**
- **Informing of the public, with the aid of blogs.**
- **Visitor preferences identification.**
- **Creation of visitor communities.**
- **Statistical analysis of the exhibits' visiting patterns.**
- **Easy update/entry with new content.**

Aiming to improve the visiting' experience, the visitors will be able to respond to a short anonymous survey. Their opinions will be collected and will be made available for processing. For this analysis, techniques such as factor analysis (http://en.wikipedia.org/wiki/Factor_analysis) will be employed.

Goals

The goal of this task is the design and development of a software application, which will be finally installed in infokiosks, in desktop PCs; this application will allow for virtual tours to the Museum's wings (as well as to findings which are not currently exhibited), and to the excavation sites.

The application will draw information from the repository (developed in Task 2.1), and will be the basis for the creation of the Virtual Tours Projection Room (of Task 3.3).

The application will be fully compatible with current Web, Internet and Intranet standards.

Requirements Identification

Select Language

Select Audience

Select Room

Display Plan of Room

Filter Showcases

Preview Showcase

Go To Showcase

Browse Items

Comment Item

Rate Item

Show Descriptions

Show Images

Show Audios

Show Videos

Show Excavation Site Information

Go To Start

Go Back

Redisplay Item

Redisplay Showcase

Show User Manual

Monitor User Navigations

Comment on GuestBook

Vote on Poll

User eXperience Goals

- A Virtual Wing is not a traditional Web Application …
  - Traditional controls are:
    - Hard to use for the non-pc user
    - Too small for touch screen
    - Ugly?
- A Virtual Wing must not "look like" a Web Site (already tried that, look ugly)

User eXperience Goals

- …we take into account:
  - Touch
  - Big Controls
  - Do not overcrowd screen
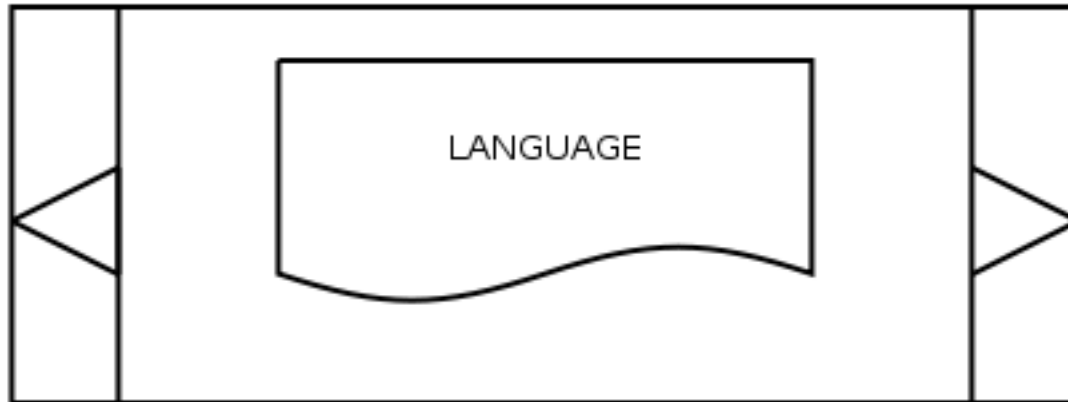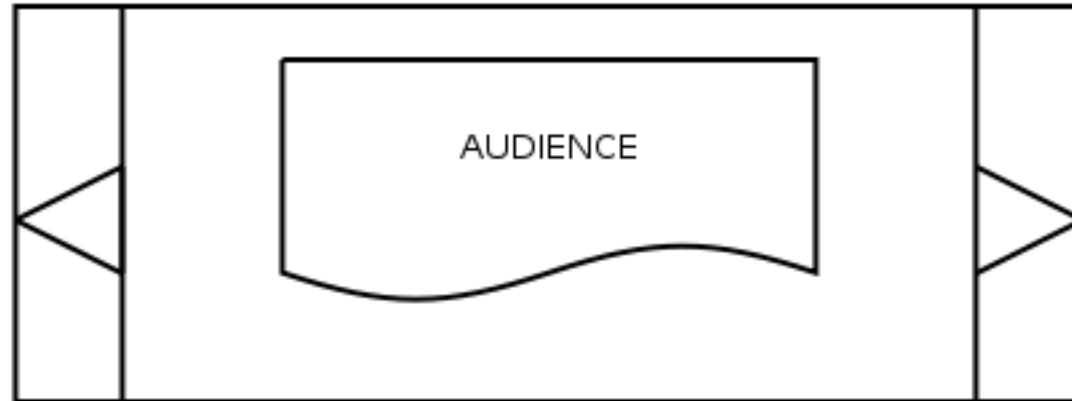 - Few clicks
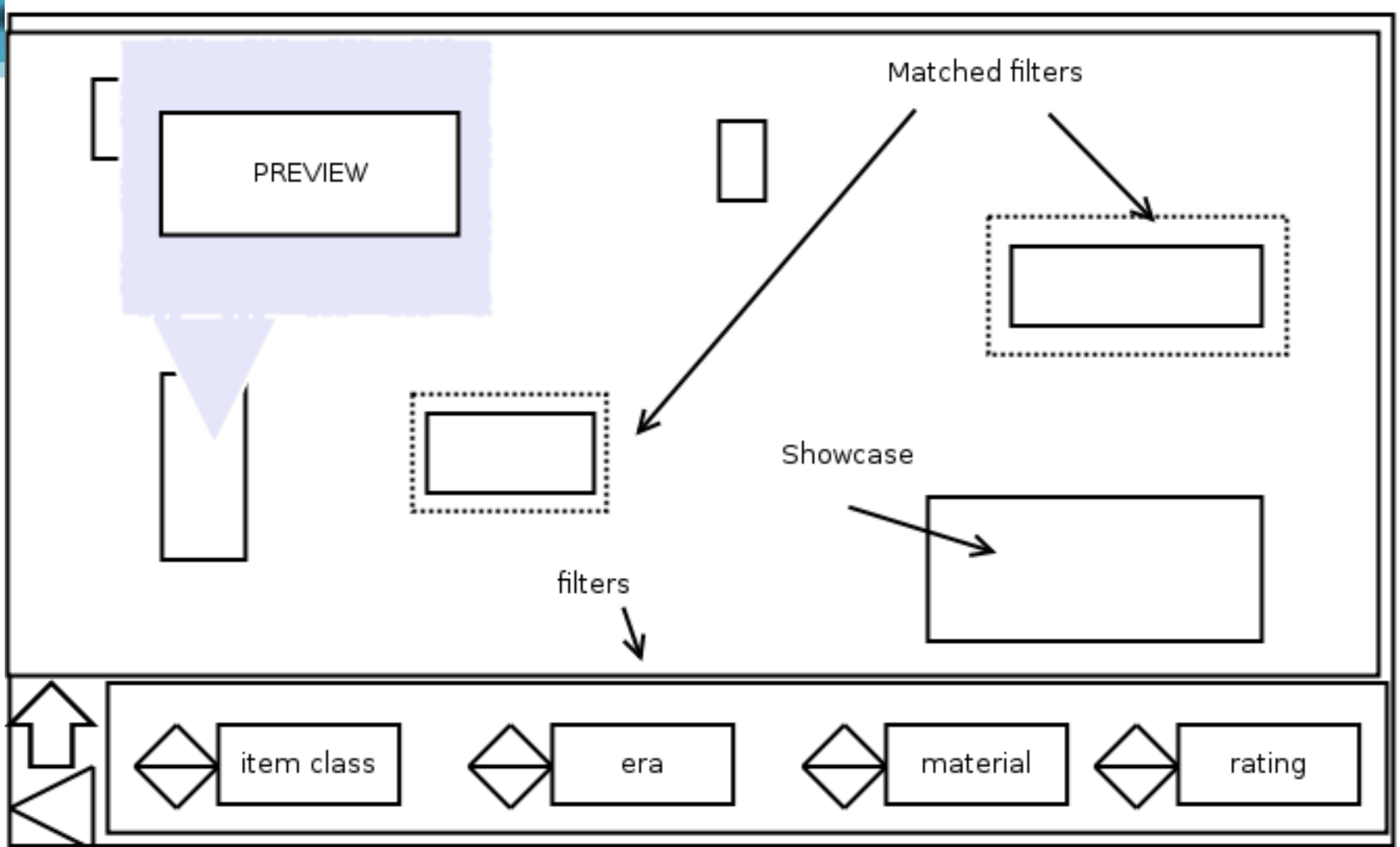 - Photoplay style
  - Consistency

Architecture

Abstract GUI

Abstract GUI

Abstract GUI

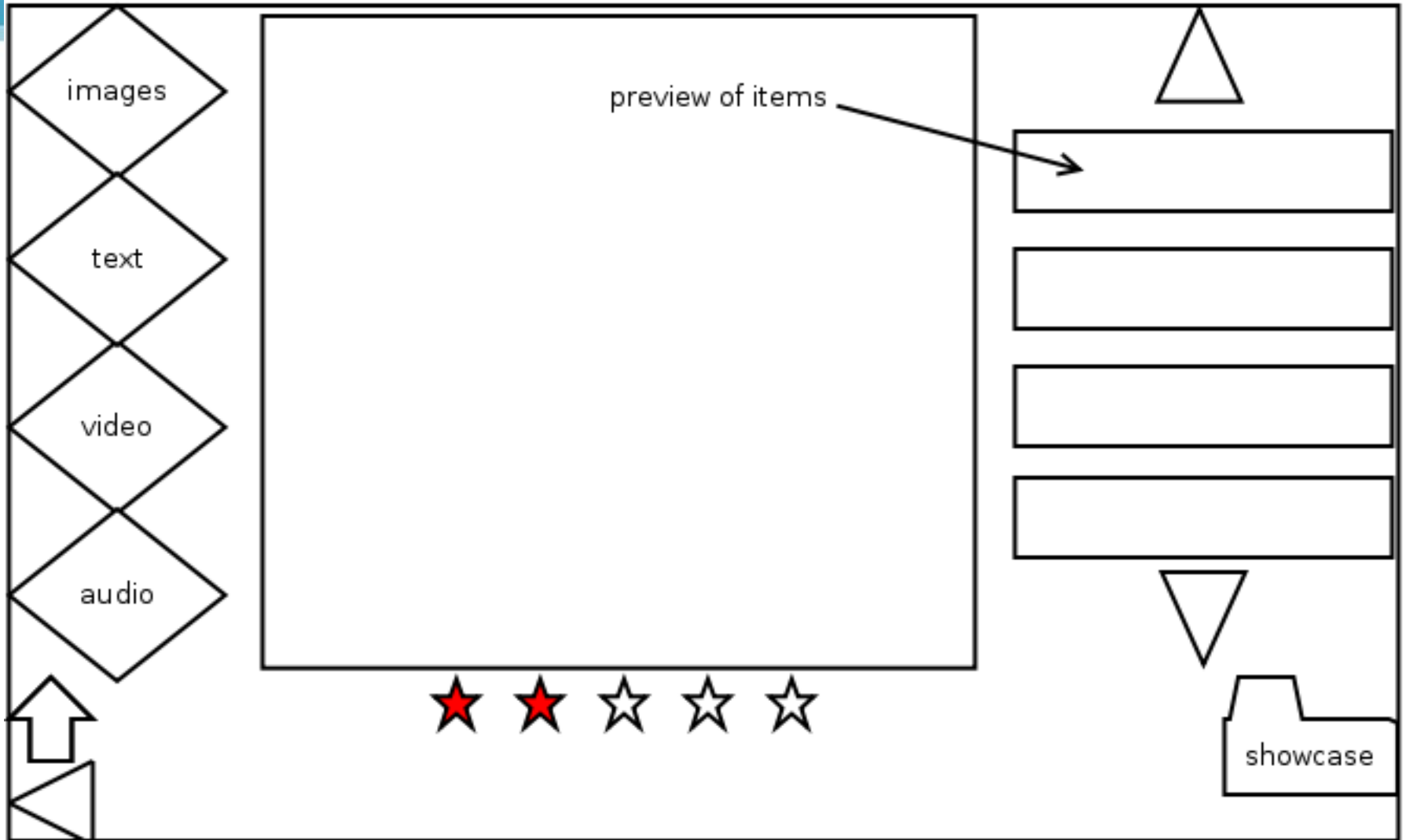# Abstract GUI

images

text

video

audio

preview of items

★ ★ ☆ ☆ ☆

showcase
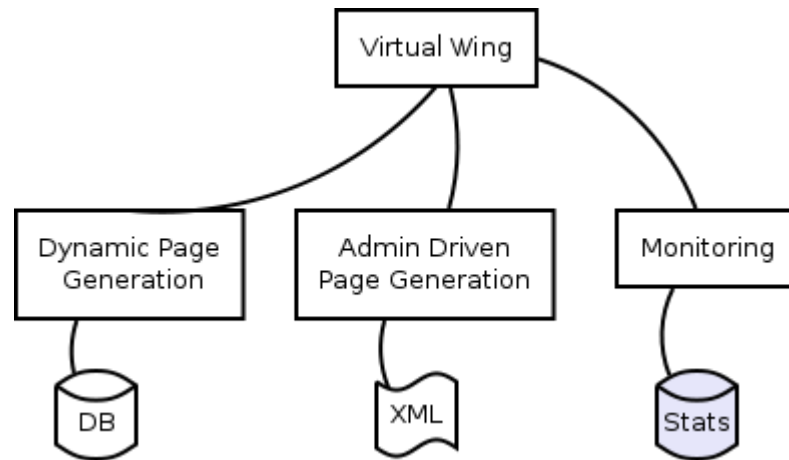
GuestBook

- Blog like site, at the exit of the museum, or at the end of a Virtual Wing tour.
- Users may leave comments, read comments, and reply to comments
- Could replace traditional book

Questionaires

- Usability:
  - Navigation, clicks, previews, thumbnails, consistency
- Content:
  - Intelligible, correctly grouped, filtering, related content, erroneous info
- Learn:
  - Smth new, useful, interesting, amusing
- Reliability:
  - Crashes, unexpected behavior
- Aesthetics:
  - Consistency, colors, css
- General:
  - Visit again, suggest to friends

Work

- Design Generic Controls (tiles like)
- CSS (consistency)
- Put things together (message passing)

Needs

- Hardware specifications ? Especially screen resolution!

- Early feedback

Timeline

July	Aug	September	October	Nov	December	January-end
		Join Projection Room Dev	70% main wing		99% main wing 99% guestbook, questionnaire	testing

DEMO

http://kabamaru.csd.auth.gr/~developer2/virtual_wing_demo/

DEMO

DEMO

DEMO

DEMO