What is our project?

How will we meet the needs?

The GPEMIS (General-Purpose Event Management Information Systems) Project is born as a FOSSIR project.

The main objective is to create a desktop & web-based, multi-platform conference storage and management system.

This software would allow the storage of documents and metadata related to real events.

Problem Statement - *what are the main pitfalls in existing systems?*

- Running a conference, a large meeting can easily become a logistical nightmare for the organizers.

Those pitfalls

Are:

- Squeezing space for participants
- Lacking of an integrated book system
- No support of videoconferencing
- Wasting time for scrum registration for every session
- No streaming and retrieval of data after and within event.
- High utilizations of resources
- Lack of export of information in different formats.
- Asynchronous of notification
- Limited lingual interface.

General objective - *How will we meet the needs of the addressed issues?*

- The main objective is to create a desktop & web-based,multi-platform conference storage management system.

Specific objectives

What are the coverages of the project?

1. Tree-like structure, organized into categories.

2. Automatic web page creation for the events.

3. Event evaluation surveys.

4. Automatic notifications

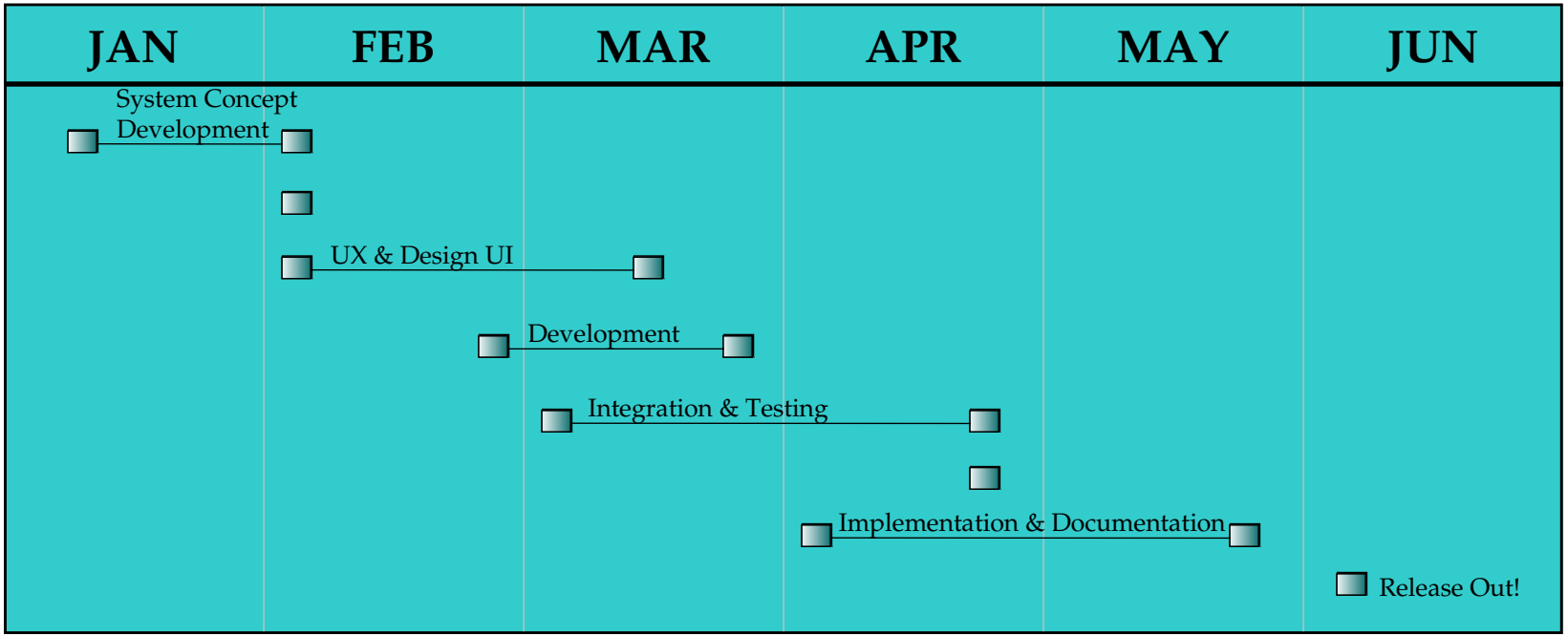
5. For Conferences:
   -Registration form customization
   -On-line payment support.
   -Abstract submission and Organizer reviewing.

Cont...

Besides these significances said above,GPEMIS will provide as well:

1. An integrated room booking system
2. Integrated support for videoconferencing software
3. Exportation of information in different formats: pdf,excel,doc,csv etc…
4. Multilingual interface (EN,FR,KINY)
5. Support for different time zones.
6. Play back and easy to retrieve data

Software Project Schedule



<<< Technical tools >>>

- Main development platform: Python
- Runs on an Apache web application server using the Python module (mod_python)
- Uses the Zope Object Database (ZODB) for storing conferences metadata
  - ✓ Object Oriented database implemented in Python and PostgreSQL
- The submitted files and archives are directly stored on the server's file system
- Front-End tools & languages: HTML5, javascript, jquery,Ajax, Bootstrap
- Back-End tools & Framework: Fask, Jinja2, Nginx, UWSGI
- XML + XSLt for timetable generation
- DVCS: Git & Github
- IDE: Visual studio code,sublime text, pgAdmin III and Filezilla
- Interfaces:
  - ✓ Web, OAI (Open Archive Initiative) protocol for metadata harvesting
  - ✓ Test on Windows, linux (Debian pkg)

Questions?