

E-CV1217

An Electronic Portfolio (Curriculum Vitae)
for Teenagers

The
Design
Document

Roadmap

- ❖ INTRODUCTION AND SCOPE OF THE PROJECT
- ❖ QUALITY REQUIREMENTS
- ❖ VIEWS

Introduction and Scope

- ESPECIALLY THOUGHT FOR SCHOOL DROPOUTS (EUROPEAN PROJECT FOR SCHOOL DROPOUTS).
- BASED ON THE REQUIREMENTS DOCUMENT.
- SYSTEM CONSIST OF 5 DIFFERENT COMPONENTS:
 - WEB APPLICATION SERVER + DATABASE SERVER
 - WEB APPLICATION
 - INTERNET BROWSER
 - HOME APPLICATION
 - MOBILE APPLICATION

Quality Requirements: Security

- ❖ THE DATA ARE PROTECTED AGAINST UNAUTHORIZED ACCESS.
- ❖ DATABASE AND FILES ARE ENCRYPTED WITH AES-256.
- ❖ THE ACCESS TO THE SERVER FROM THE INTERNET IS DENIED.
- ❖ THE HOME APPLICATION WORKS ONLY OFFLINE.
- ❖ THE MOBILE APPLICATION CAN WORK OFFLINE AND EVEN ONLINE ONLY IF CONNECTED TO THE SCHOOL NETWORK.

Quality Requirements: Usability

- ❖ ANIMATED ICONS SHOWING THE PURPOSE OF THE COMMAND.
- ❖ TOOLTIPS.
- ❖ SPECIFIC USABILITY PATTERNS ESPECIALLY FOR THE MOBILE APPLICATION.
- ❖ RECOGNITION BEFORE RECALL PRINCIPLE.

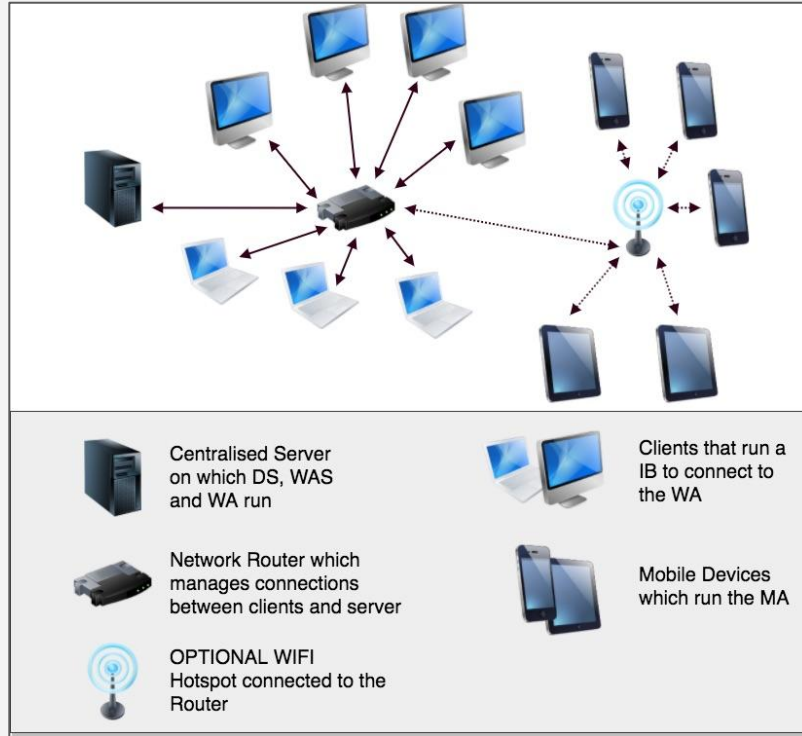
Views

- ❖ DESIGN AND ARCHITECTURAL PATTERNS.
 - CLIENT/SERVER
 - MVC (MODEL VIEW CONTROLLER)

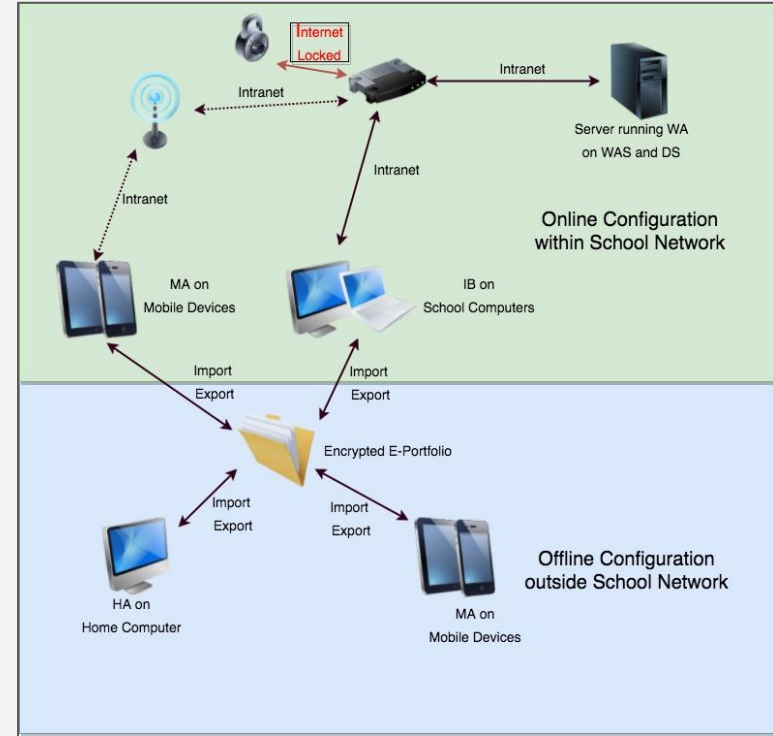
- ❖ MODELS AND DIAGRAMS:
 - PHYSICAL VIEW ⇒ HW COMPONENTS DIAGRAM
 - PROCESS VIEW ⇒ PROCESS DIAGRAM
 - LOGICAL VIEW ⇒ DATA MODELS, CLASS DIAG.
 - DEVELOPMENT VIEW ⇒ COMPONENTS DIAGRAM

Views: Physical View

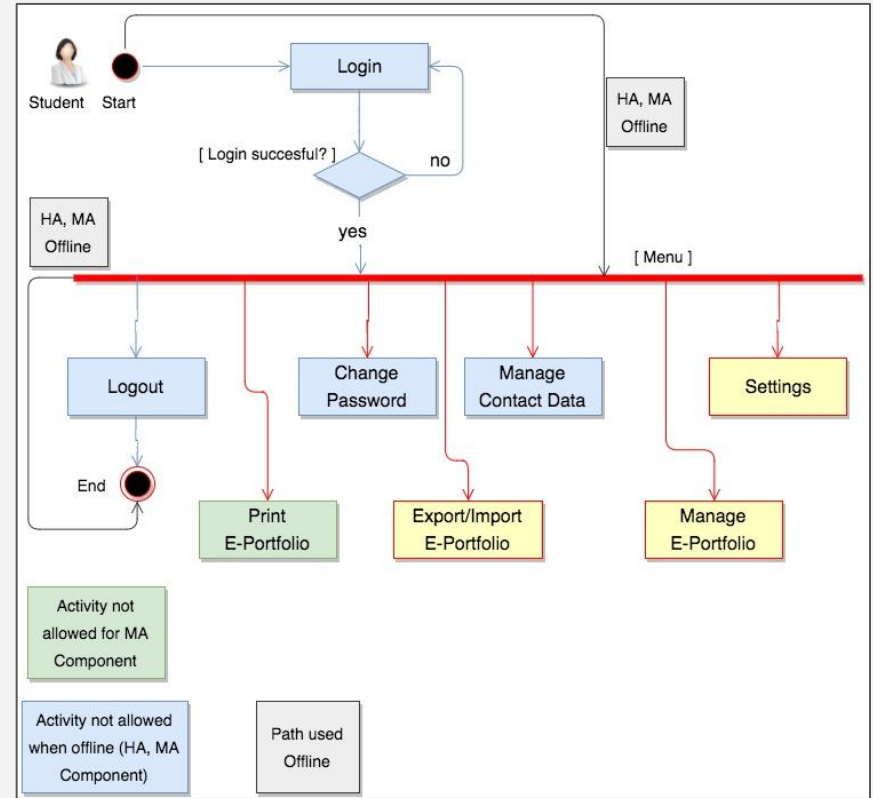
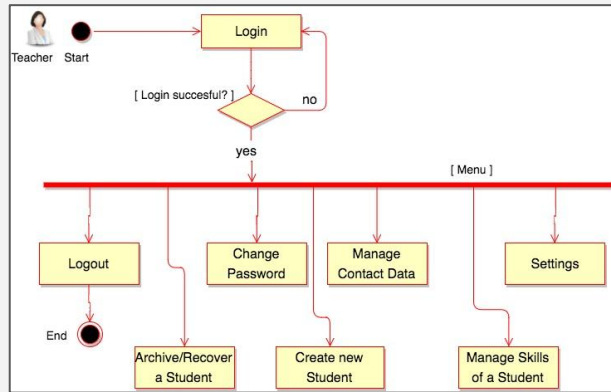
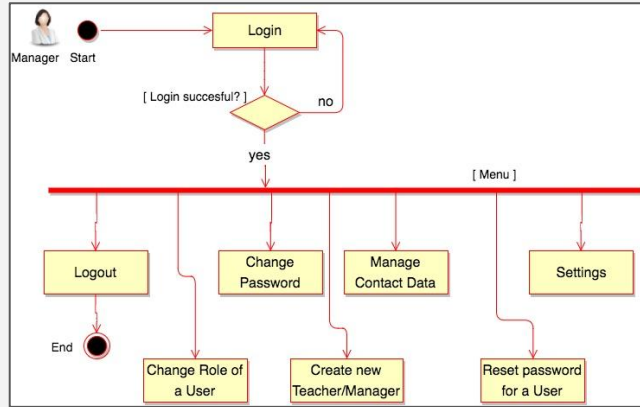
SCHOOL SYSTEM



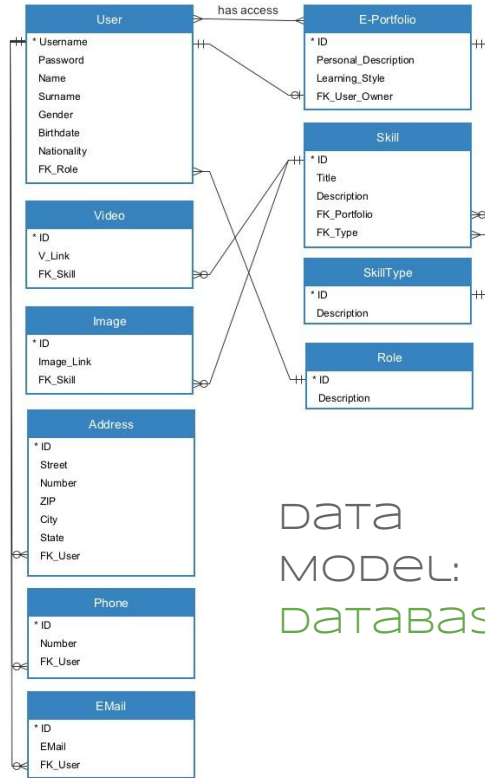
COMPLETE SYSTEM



Views: Process View



Views: Logical View

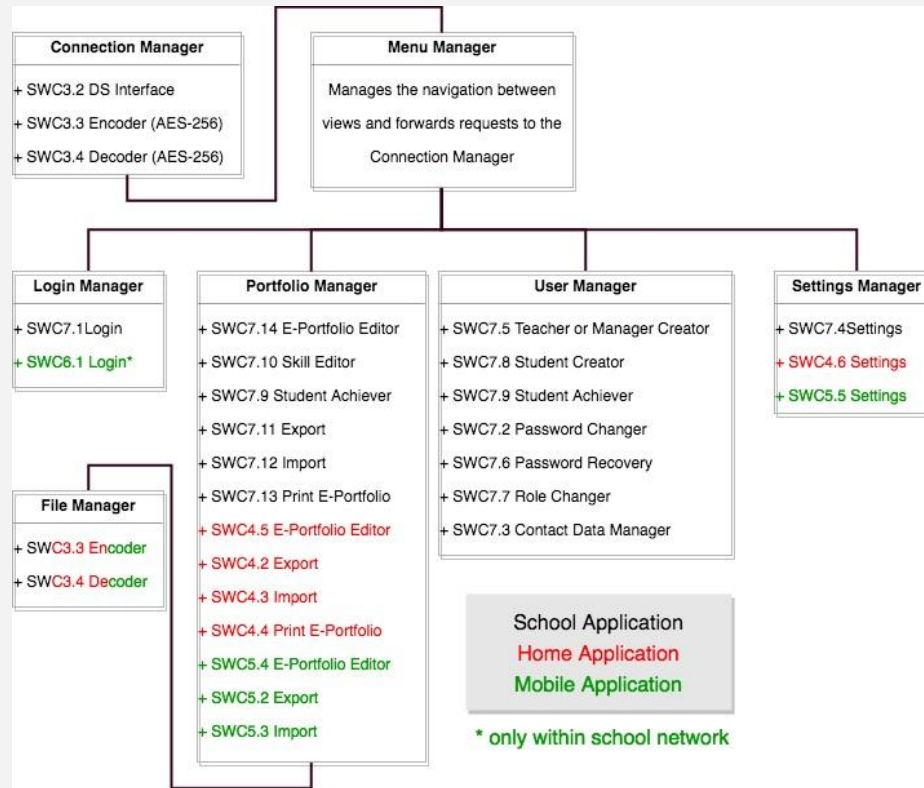


Data
MODEL:
Database

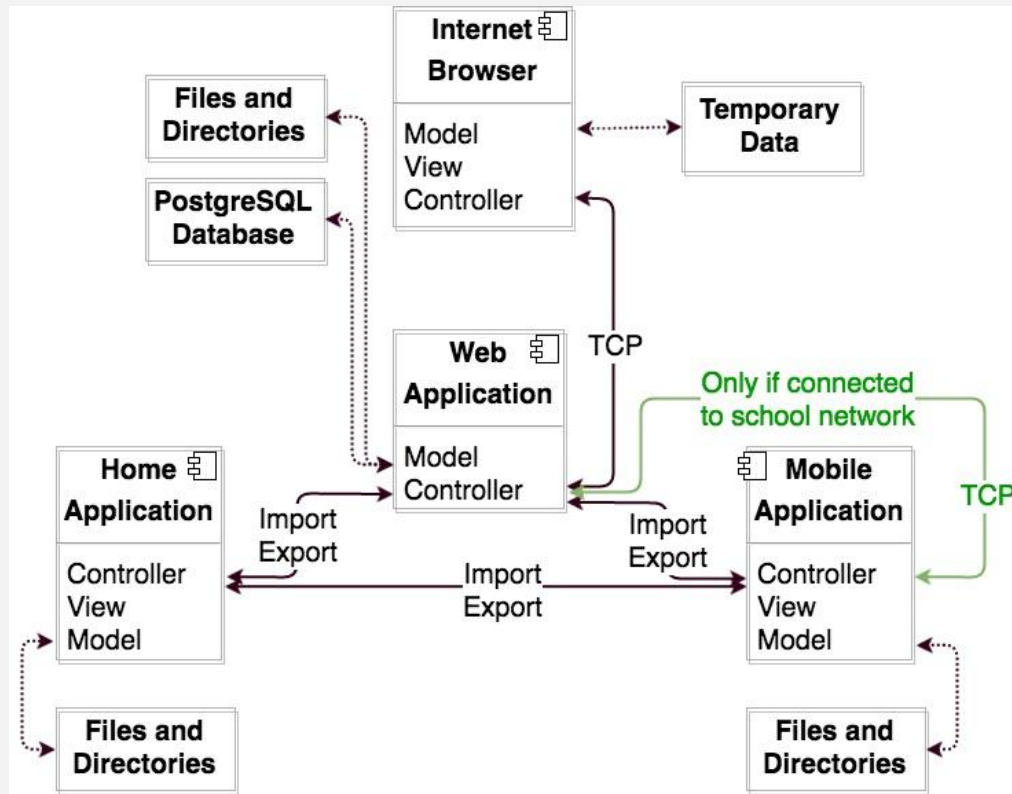
Data
MODEL:
XML FILE



Views: Logical View



Views: Development View





Thank You
== For Your Attention ==