**Design Document for "Kids learning" project**

**Group#05 "GGC"**

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**1 Introduction**

The Document contains the design for "Kids learning" project. How looks the pages and the Architecture Diagram og the project.

**1.1 Purpose**

The purpose of this document is to explain the design and architecture of the Kids learning application.

**1.2 Scope**

This document covers systems decomposition, interfaces, and dependencies, as well as design rationale.

**1.3 Definitions, Acronyms, Abbreviations**

Convas page: Any web pages are displayed with the standard tools.

**1.4 Design Goals**

1. Reliability: The core process (major use-cases) must continually function consistently,and loss of users' data must be prevented.

2. Maintainability: Our code must be well organized with consistent syntax and relavent naming techniques.

3. Extensibility: The application must facilitate easy features to be added to the PHP Code.

4. Response Time: All Canvas pages must load in less than 20 seconds including library and database processing time.

5. User Privacy: Users must be allowed to restrict viewing of their events and must not be allowed access to others' events.

6. Utilization: The application must use the major functionality.

**2 References**

https://github.com/Emi95/GGC/tree/master/Docs/Labs/lab7

**3 Decomposition Description**

**3.1 Module Decomposition**

The project has an inherent client-server architecture, but there will be little or no client code. Therefore, the architecture of the server is the more important aspect of the architecture. We turned down a repository architectual design and decided upon a layered architecture allowing better interchangability of our database.

**3.1.1 PHP Code Description**

PHP code is consisted with 5 different pages. Each page takes charge of specific events and graphical process. It uses libraries to get/send information from/to database.

**3.1.2 Libraries Description**

The libraries modules contains the classes and functions needed by the PHP Code modules.

**3.1.3 Database Description**

Database (MySQL) is used to store all the data. Specifically, all the events the user creates, and details for each particular event will be stored here. On request, it will return an event and its corresponding data. Also, it will allow new entries as the user creates and adds new events.

**3.2 Concurrent Process**

**3.2.1 Database Description**

The database is a single process run on a remote server hosted by application XAMPP. The server are created by Database. It doesn't explicity create or destroy any threads.

**3.2.2 Admin description**

Admin will control the workflow of the web application. Admin would be able to work also in Database, does the actions like create, delete, add, etc.