1. **Purpose**

The purpose of this chapter is to give the developer team a guidance of what the system’s architecture is, and how they should be implemented. This chapter consists of:

* Architecture overview
* Database design
* Detailed design
* Detailed description of components

1. **Architecture Overview**
   1. **System Architecture**
   2. **System Architecture Explanation**
2. **Design of WeTeach’s System**
   1. **Architecture Layers Design**
   2. **Database Design**
      1. **Database Diagram**
      2. **Database Detail**
3. **Detailed Design**
   1. **Sign Up as Trainer**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Sign Up as Learner**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Sign In**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Log Out**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Change Password**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Forget Password**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Update Profile Picture**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **View Personal Profile**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Send Message**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **View Message**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Delete Message**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Comment Course**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Edit Comment**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Delete Comment**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Rate Course**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Rate Trainer**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **View Course Statistic**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Create New Course**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Edit Course Detail**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Delete Courses**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Upload Documents**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Delete Documents**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **View Documents Dashboard**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Edit Profile (Trainer)**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **View Course Detail**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Search Course**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **View Trainer List**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **View Other Public Profile**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **View Course Comment**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **View Course’s Rate**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **View Trainer’s Rate**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **View Document Picture**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **View Website Statistic**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Review Trainer’s Document**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Review New Course**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Review Trainer’s Account**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Block Learners**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Block Trainers**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Unblock Learners**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Unblock Trainers**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Add New Trainer Account**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Add New Learner Account**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Edit Trainer’s Information**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Edit Learner’s Information**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Delete Trainer’s Account**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Delete Learner’s Account**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Change Trainer’s Role**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Change Learner’s Role**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Edit Profile (Learner)**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **Save Course**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **View Course Saved List**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**

* 1. **View Course View History**

**Description**

User sign up for new account to become a Trainer

**Design**

**Class Diagram**

**Sequence Diagram**