

# UTut: University Tutor Software Architecture

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## **Revision Control**

### **History Revision:**

<b>Revision Date</b>	<b>Person Responsible</b>	<b>Version Number</b>	<b>Modification</b>
12/08/17	Julio Segismundo	1.0	Initial Document;

### **Purpose:**

The purpose of this document is to show the software architecture for UTUut: University Tutor. It is a consolidation of all classes from User Interface Design, Data Design, and Control Classes.

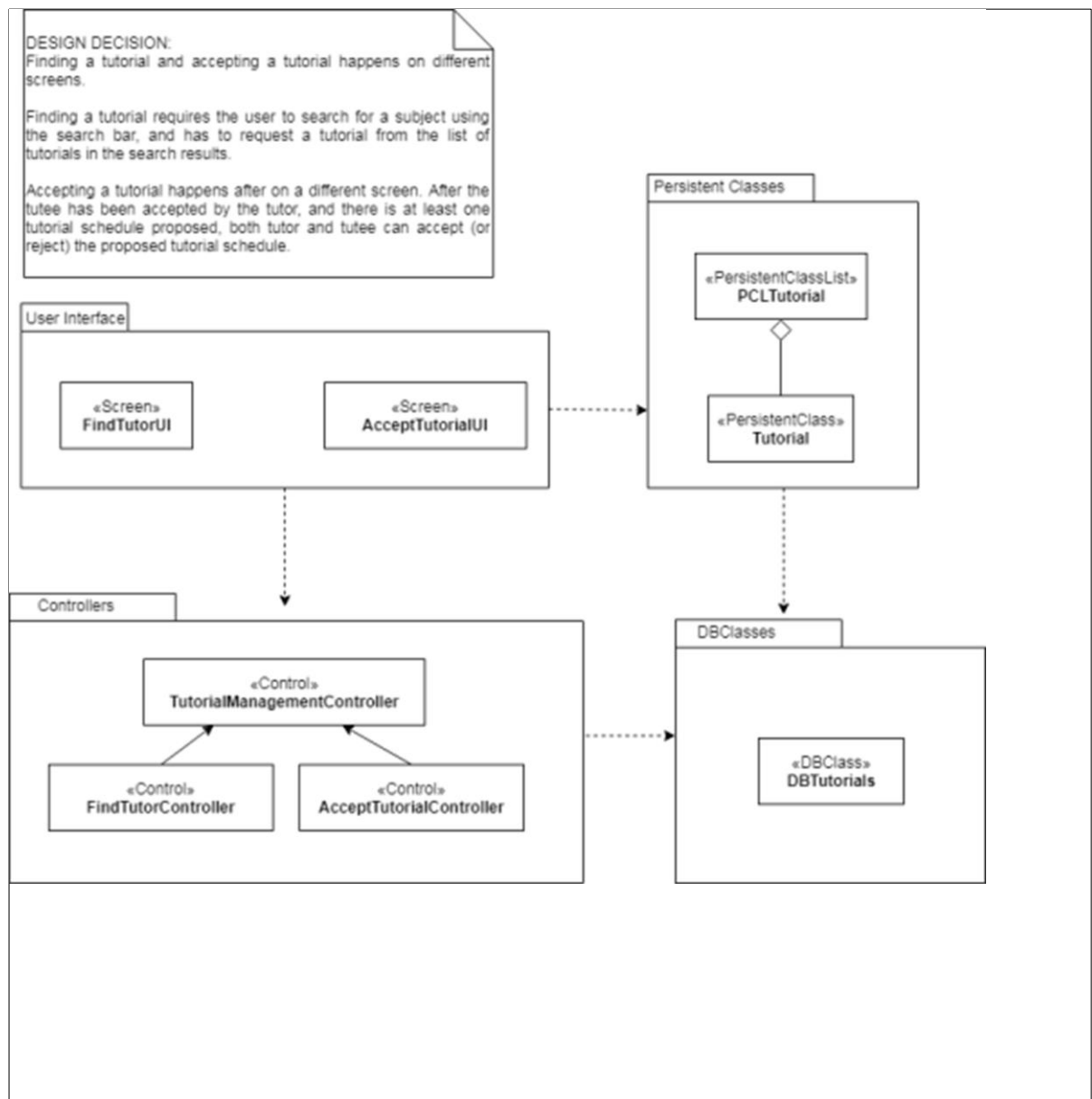
### **Audience:**

Developers

**System Name:** UTut: University Tutor

**Description:** UTut: University Tutor is a web application that addresses the problem of students looking for fellow students who are willing to tutor them on certain subjects. The goal of this project is to create an application that makes it easier for students to find a tutor for a subject. The application allows users to search for tutorials, offer tutorials, and provide feedback on their tutors.

**Software Architecture Diagram:**



### *User Interface Design Classes:*

<b>Screen Name</b>	<b>Description</b>
FindTutorUI	This user interface allows the user to search for a tutorial on a certain subject. Upon searching, it shows all tutorials that match the search criteria (if there are any) and allows the user to request a tutorial on that
AcceptTutorialUI	This user interface allows the user (tutor and tutee) to accept or reject a proposed tutorial schedule.

*Business Logic Classes:*

Control	Description
TutorialManagementController	Handles all operations on tutorials such as offering tutorials, searching tutorials, accepting tutees, proposing schedules, and accepting schedules.
FindTutorialController	Handles all operations on searching tutorials and requesting tutorials.
AccpetTutorialController	Handles all operations on accepting and rejecting tutorial schedules.

*Data Design Classes:*

<b>Class Name</b>	<b>Description</b>
DBTutorial	Contains the Tutorial table.
PCTutorial	An instance of a Tutorial from the Tutorial table.
PCLTutorial	Persistent class list that contains the set of tutorials that satisfy the search results.