

IskoExchange

Software Architecture

Submitted to:

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Revision Control

History Revision:

Revision Date	Person Responsible	Version Number	Modification
11/22/17	Luis Carlos Tan	1.0	Initial Document; Software Architecture Diagram
11/29/17	Patricia Cajaljal	1.1	Added User Interface Design Classes; Added Business Logic Classes
11/30/17	Ivan Balingit	1.2	Added Data Design Classes; Fill out necessary document details

Purpose:

This document contains the software architecture of IskoExchange. The document contains the Software Architecture Diagram, as well as User Interface Design, Business Logic, and Data Design Classes.

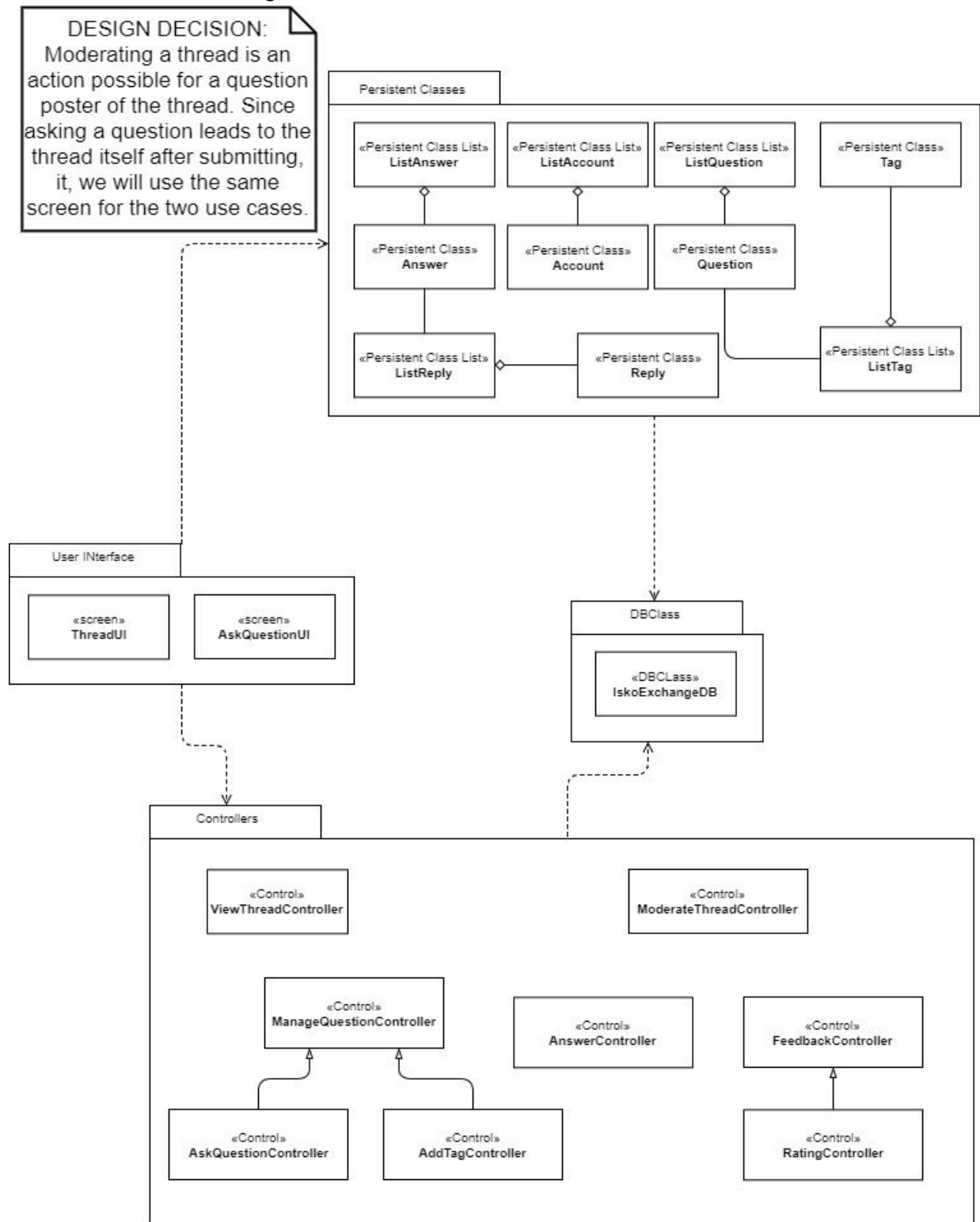
Audience:

This document is made as partial fulfillment of academic requirements for the course CS 191 - Software Engineering I, handled by Prof. Ma. Rowena C. Solamo.

System Name: IskoExchange.

Description: IskoExchange is a platform for UP students to ask questions and share insights related to UP. These topics can vary from academics to certain University processes, and many more. IskoExchange aims to connect UP students together and answer each other's concerns quickly and clearly.

Software Architecture Diagram:



User Interface Design Classes:

Screen Name	Description
ThreadUI	This UI is for the thread of questions, answers, replies and such.
AskQuestionUI	This UI is for the user asking a question.

Business Logic Classes:

Control	Description
ViewThreadController	This controller is for viewing the contents of the thread.
ManageQuestionController	This controller is for managing the question of the user.
AskQuestionController	This controller is for the user asking a question; also part of the ManageQuestionController.
AddTagController	This controller is for adding tag/s to the question of the user; also part of the ManageQuestionController.
ModerateThreadController	This controller is for the questioner/user moderating the thread for content filtering.
AnswerController	This controller is for giving an answer to the question either already answered or not.
FeedbackController	This controller is for giving a feedback to the answer/s of a question.
RatingController	This controller is for giving a rating to the answer/s of a question either positive or negative; also part of the FeedbackController.

Data Design Classes:

Class Name	Description
IskoExchangeDB	The main database for the IskoExchange system.
PCLListAnswer	A list of answers belonging to a question.
PCLListQuestion	A list of questions within IskoExchange.
PCLListAccount	A list of user accounts within IskoExchange.
PCLListReply	A list of replies belonging to an answer.
PCLListTag	A list of tags belonging to a question.
Answer	Users of IskoExchange can create answers to questions.
Question	Users of IskoExchange can create their own questions.
Account	Those who do not have an IskoExchange account can create one.
Tag	A tag helps users find a question of a specific topic.
Reply	Users of IskoExchange can reply to a given answer.