

Design Inspection Defects

Product	Database Design Inspection		
Date	9/9/2013		
Author	Yuxi Chen		
Moderator	Rendong Chen		
Inspectors	Zeying Guo, Yilin Long		
Recorder (Secretary)	Pan Ma		
Defect #	Description	Severity	How Corrected
1	There is no attribute to store contestant password in table Contestant.	1	Add attribute ContestantPW to table Contestant.
2	There is no attribute to store judge password in table Judge.	1	Add attribute JudgePW to table Judge.
3	The score attribute is inside table Evaluation, but each evaluation doesn't have only one corresponding score because different contestants could have their scores on the same evaluation.	1	Created a table EvaluationScore containing attributes including EvaluationID, ContestantID and Score.
4	The primary key for table Notice is Content which doesn't support duplicate notices.	2	Added attribute NoticeID as the primary key of Notice and changed attribute Content to regular attribute. It now supports publishing notices with identical contents.
5	In table Evaluation the attribute PercentWeight is of type double, but the use of interger is more convenient.	3	Changed the type of attribute PercentWeight from double to interger.
6	The attribute EvaluationID in table Evaluation is not automatically incremented.	3	Made the attribute EvaluationID automatically incremented.
7	The attribute NoticeID in table Notice is not automatically incremented.	3	Made the attribute NoticeID automatically incremented.
8	The primary key for table EvaluationScore is EvaluationID only. Since each score is assigned to a specific contestant on a specific evaluation, EvaluationID itself shouldn't be able to identify an instance of EvaluationScore.	1	Made the primary key of table EvaluationScore to be both EvaluationID and ContestantID.

Product	System Design Inspection		
Date	9/9/2013		
Author	Yilin Long, Zeying Guo, Yuxi Chen, Rendong Chen, Pan Ma		
Moderator	Rendong Chen		
Inspectors	Pan Ma, Rendong Chen, Yuxi Chen, Zeying Guo		
Recorder (Secretary)	Zeying Guo		

Defect #	Description	Severity	How Corrected
1	Database connection is created in MainEntry	2	Created a DatabaseServer Module in charge of all the operation concerning database connection. Moved the creating connection component inside DatabaseServer Module.
2	Each screen is a frame. Entering a different screen will open up a new frame. Doing operation on multiple frames may cause the data in the system inconsistent.	1	Changed each screen to be a panel. There was a single frame allowing to display one panel at a time.
3	There's no screen allowing a judge or a contestant to register.	1	Created a specific screen for a judge or a contestant to register.
4	There's no screen allowing a judge to enter score.	1	Created a specific screen for a judge to enter score.
5	LoginScreen Module does not contain a component to specify the role which is either Judge or Contestant.	1	Added a radio button component to allow user to specify his/her role when login.
6	LoginScreen Module does not contain a component for testing for ID and password validity.	1	Added verification for ID and password.
7	The MenuScreen Module does not contain a component allowing the user to logout.	2	Added a button component to allow user to logout.
8	The system does not contain a component to maintain current user information like user ID and user type.	1	Added a component storing current session user information.
9	Each subscreen does not contain a component allowing the user to go back to upper-level screen.	2	Added a button in each subscreen to allow user to go back.