A4: Conceptual Data Model

SegFault is a collaborative platform for programmers to learn, discuss different approaches, present ideas and share knowledge in a Q&A style. To this end, the following sections provide detailed insight into the project's conceptual data model, featuring class diagrams and business rules.
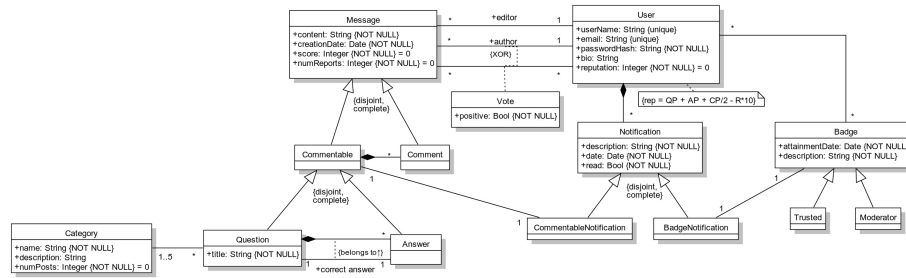
1. Class diagram

Figure 1: UML Diagram

2. Additional Business Rules

Identifier	Name	Description
BR01	Correct Answer restriction	There can only be one answer marked as correct, per question.
BR02	Self voting restriction	Users can't vote on their own messages.
BR03	Reputation points	Reputation points will be calculated according to the formula: $QuestionPoints + AnswerPoints + \frac{CommentPoints}{2} - Reports * 10$.
BR04	Number of categories	A question must have between one and five categories, *inclusive*.
BR05	Moderator Badge	Having achieved 500 reputation points and been awarded the Trustworthy Badge, a Member becomes a Moderator.
BR06	Delete Answer	Whenever an Answer is deleted the respective Comments should be deleted as well.
BR07	Delete Question	Whenever a Question is deleted the respective Answers (their comments) and the Question comments should be deleted as well.

Identifier	Name	Description
BR08	Banned Message	A message is automatically eliminated after being reported over $(5 + score^{\frac{1}{3}})$ times.
BR09	Edited Message	An edited message must be adequately marked as such.

Revision history

Changes made to the first submission: 1. Item 1 1. Item 2

GROUP1763, 08/03/2018

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