In the following section we will break the three main objects QuestionSubmission, AnswerSubmission, And abuse report into three sections and explain their individual parts.

**AbuseReport Object**

**AbuseReportID**

An integer ID generated by **generate\_reportID**

**Generate\_reportID**

The backend contains a Counter **AbuseIDs** which is incremented by this function and this function returns an **AbuseReportID**

**AbuseIDs**

An integer stored within the backend

**Reason**

User input gathered directly from the User interface. When the submit button is pressed and an **AbuseReport** object is generated one of the parameters passed in from the UI is the selected reason.

**Description**

User input gathered directly from the user interface. When the submit button is pressed and an **AbuseReport** is generated one of the parameters passed in from the UI is the text from the description.

**SubmissionID**

When the user selects the report button it is associated with a specific question. This integer is passed in from the front end however is unseen by the users and is used as a parameter to generate an **AbuseReport** object.

**Status**

When an **AbuseReport** is first initialized its **Status** is set to open. This does not require any parameters to create. When the report has been looked at this is changed to pending and when the review has been completed the **Status** is either set to accepted or denied.

**ReporterID**

This is the **UserID** of the user who is submitting the **AbuseReport** It is used to keep track of which user reported the **Submission**

**Date**

This is a Date Object generated by the JS date function. Its purpose is to keep track of when the **AbuseReport** is submitted which should help with giving faster feedback to the reports.

**QuestionSubmission Object**

**Category ID**

This is the id based on the category selected in the user Interface. It is passed in as a parameter and used to allow users to view more applicable questions

**Body**

This is the bulk of the question. It is entered by the user and used as a parameter in the creation of a **QuestionSubmission** Object.

**Title**

This is a brief description of the question. It is passed in by the title textbox in the user and used as a parameter in the creation of a **QuestionSubmission** Object.

**Date**

This is a Date Object generated by the JS date function. Its purpose is to keep track of when the question is submitted which should help with giving faster feedback and retiring old questions

**QuestionAnswers**

This is an array of **AnswerSubmission** object **ID**s its job is to keep track of the answers to a question so that they can be recovered when a user wants to view the question.

**ID**

An integer ID generated by **generate\_SubmissionID**

**Generate\_SubmissionID**

This function generates an **ID** for submission functions. To do this it takes a stored value, increments it by one and returns an ID. It is generated when the object is initialized.

**Status**

This contains three states. Upon creation it is initialized to active. If it receives a report it is moved to in review. If it is cleared from the report it is returned to active if it is not it is moved to deleted. A question **Status** may also be moved to deleted when it gets too old or spends to long inactive.

**AuthorID**

This contains the **UserID** of the user who creates the submission. It is used in case users need to be located and in order to pass feedback from the other users, specifically answers.

**Score**

This is an integer initialized to zero. It can be increased or decreased by users pressing buttons on the Question in the UI to increase or decrease its score.

Answer Submission Object

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**AuthorID**

This contains the **UserID** of the user who creates the submission. It is used in case users need to be located and in order to pass feedback from the other users, specifically answers.

**Body**

This is the bulk of the answer. It is entered by the user and used as a parameter in the creation of an **AnswerSubmission** Object and is passed in through a text box in the UI.

**Date**

This is a Date Object generated by the JS date function. Its purpose is to keep track of when the answer is submitted

**ParentQuestionID**

This is an integer passed in upon creation of a question Submission Object. It is the ID of the question that the user has selected when they choose to answer a question.

**ID**

An integer ID generated by **generate\_SubmissionID**

**Generate\_SubmissionID**

This function generates an **ID** for submission functions. To do this it takes a stored value, increments it by one and returns an ID. It is generated when the object is initialized.

**Score**

This is an integer initialized to zero. It can be increased or decreased by users pressing buttons on the Answer in the UI to increase or decrease its score.

**Status**

This contains three states. Upon creation it is initialized to active. If it receives a report it is moved to in review. If it is cleared from the report it is returned to active if it is not it is moved to delete. A question **Status** may also be moved to deleted when it gets too old or spends to long inactive.