Manage Experiment Permissions Use Case Specification  
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| Last Revised: | Feb 29, 2012 |
| Produced By: | CBIIT Development |
| Version: | 2.1 |

# Description

Initiated by a Data Owner, this use case allows management of access permissions for an experiment and its samples (and by implication, its data and derived extracts).

# Preconditions

A Data Owner with permissions to manage the experiment’s permissions has logged in.

# Basic Flow: Public Access

The Data Owner chooses to change permissions for the *public* (all users).

The System displays the current public permissions. Possible permission profiles are:

#### **No Visibility** - Applied by default on experiment creation, this removes the experiment summary from view.

#### **Visible** - Exposes experiment summary without access to annotation and data.

#### **Read** - Grants read access to the experiment as a whole.

#### **Read Selective** - Grants read access to specific samples. Each sample in the experiment is shown along with the access level (*None* or *Read*).

The Data Owner sets one of these profiles and saves. (For Read Selective, see Alternative Flow: Selective Access.)

# Alternative Flow: Collaboration Group Access

The Data Owner elects to change permissions for a *collaboration group*.

The System displays the current permissions for the group. Possible profiles are:

#### **None** - Applied by default, this offers no level of access beyond what the public has.

#### **Read** – (See Basic Flow for description.)

#### **Read Selective** – See Basic Flow for description.)

#### **Read+Write** - Grants read+write access to the experiment as a whole, allowing the collaborator to modify the experiment annotations and data.

#### **Read+Write Selective** - Grants read+write access to specific samples. Each sample is shown along with access level (*None*, *Read*, *Read+Write*).

The Data Owner sets one of these profiles and saves. (For Read Selective or Read+Write Selective, see Alternative Flow: Selective Access.)

# Alternative Flow: Selective Access

In Basic Flow or in Alternative Flow: Collaboration Group Access, if the Data Owner selects the Read Selective or Read+Write Selective profile, the Data Owner is allowed to search for samples by basic characteristics (e.g., name, tissue site) or arbitrary characteristics present for samples in that experiment.

The Data Owner selects one or more of the samples in the search results and sets the access level for those samples to *None*, *Read* or *Read+Write*. (*Read+Write* is available only for the Read+Write Selective profile.

# Post Conditions

The System modifies the experiment (and sample and data) permissions as specified.

# Deferred Flow: Permissions for an Institution or Group

The Data Owner changes permissions for an *institution* or for a *group of institutions*.