Mice Management

**Team Members:**

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4. Suhaib Al Rousan

**Glossary:**

* Admin: An administrator who has all permissions.
* User: A user who maintains his mouse database.
* Mickey: Mice Management System.
* Genotype: Every mouse has a specific type which is important to know for production.
* Cage: Contains specific mice under certain conditions.
* Tagging: Each mouse has an ear tag to identify it.

**User stories for the given input:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ID | Title | Description | Author | Priority | Estimate | Status |
| 1 | Login | As a user, I want to login to the system so, I can manage my mice | Faisal |  | 2 |  |
| 2 | Add mouse | As a user, I want to add a mouse with its information so, I can have it in my system for experiments | Faisal |  | 2 |  |
| 3 | Delete mouse | As a user, I want to delete a mouse record so, I can know that this mouse is no longer available for experiments and add a reason for deletion(add experiment name) | Faisal |  | 2 |  |
| 4 | Change cage | As a user, I want to change the cage of my mice so, I can move mice from cage to another | Faisal |  | 2 |  |
| 5 | Change mouse information | As a user, I want to change some information about my mice so, I can track the status of my mice | Faisal |  | 2 |  |
| 6 | Add cage | As a user, I want to add a cage so I can expand my experimental mice if needed. | Suhaib |  | 2 |  |
| 7 | Assign a mouse to a cage | As a user, I want to assign a mouse to a cage. | Suhaib | May rethink about it. Mice connect user and cage. I prefer to mice belong to user, not cages belong to user | I changed user to mouse, here when we bring a new mouse or a new cage. | ok |
| 8 | Transfer mouse to a user | As a user, I want to transfer a mouse to a specific user | Suhaib | The information will be created in the beginning | Changed the user story to transfer from assignment | Good question. It is more like how to do mice transfer, which will happen a lot. We should add one column in mice model to show the origin of the mice. May need to think about how to do this. |
| 9 | Select Mice for production | As a user, I want to select a male and females that could make production. The selection will be based on age and the genotype. | Suhaib | It is like search function you mentioned in 21 | Deleted the user case that you mentioned. |  |
| 10 | Login | As an Administrator, I want to access the Mice system and Update the database and Changes in the Mice Management System. | Adithya |  | 2 |  |
| 11 | Updates from the user | As an Administrator, I want to get the update information remainders when a User updated any Mice information to the system. | Adithya |  | 2 |  |
| 12 | Print/view the mice information | As a User, I want to view or print out Mice information. | Adithya |  | 2 |  |
| 13 | Set cage quantity reminder | As a user, I want to get a notification when the number of female mice in the Cage is less than 5. | Adithya | 14 and 15 are the same? I prefer to 15 | 2 |  |
| 14 | Combine the Mice in two cages | As an administrator, I want to combine female Mice in two cages when the number of mice in two cage of same type is less than 5. | Adithya |  | 14 gives us a notification once the mice are less. 15 does the action of making it 5 and freeing up space. | I see. Thanks |
| 15 | Assign a task that breed more Mice to user | As an administrator, I want to assign task that to breed more mice of particular type when number of Mice (TOTALLY, younger than 4 months) less than 5. | Adithya |  | Initially you had told us 2 months was the min age to breed. IF you want it to be 4, we can make it the same | 1 months is the min age of breeding. Older than 4 months not so good for breeding.  Min age = 1  Max age = 6 |
| 16 | Cage change notification | As a user, I want to get a notification since the mouse turns (18-21) days so that I can shift it out to a separate cage from its parent. This is notified every day from 18 to 21. | Rakshit Choudhary |  | 2 |  |
| 17 | Login Notification | As a user, I want to get notifications of tasks for the next 3 days for “Mouse turns 21 days”and “7 – 1 days for genotype testing” | Team Update |  | 2 |  |
| 18 | Logout | As a user, I want to logout once I have completed my work. | Rakshit Choudhary |  | 2 |  |
| 19 | Calculate the mouse age | As a user, I want the software to compute the age of the mouse from the D.O.B given so that I know if a mouse is ready from production(age > 60 days) | Rakshit Choudhary |  | 2 |  |
| 20 | Ear tagging the mouse | As a user, I want to associate each mouse with an ear\_tag that contains a unique ID number. | Rakshit Choudhary | This information has to be created once the mouse is added to database. | By this I mean to create an ear\_tag ID which is unique. | I see. I mean it is already included in add mice USs. |
| 21 | Set specific permissions | As a user, I would like give permissions to my mice information available to others. | Team Update |  | 2 |  |
| 22 | Authenticate mouse transfer | As an administrator, I want to authenticate a mouse transfer between 2 users. | Team Update |  | 2 |  |

Questions:

1 – After the mice has breed over 10 times for both sex’s. Will we move them to a separate cages or will they stay in the same cages? Males have been put in separated cage. Females can be mixed with other females of the same genotype. Or you can sacrifice them if you do not need them anymore.

2 – Will the ear tag be associated to all the information of the mouse or is it just an ID? ear tag is a specific, unique ID of mice. One cannot have 2 mice of the same ear tag ID. If you search a mouse with its ear tag id, you can only find one and you will get all this mouse’s information.

More:

1. I hope to keep all the history of mice operation. E.g. I sacrificed 3 mice for some experiments, and 1 year later, I could still get the information of the mice.

Updated case 3.

1. User have different access to the information. Some can only read, some can modify the data. If some mice belongs to me, I can decide if I want to show this mice information to all users. Default if yes, sometimes I want to hide those information.

Updated case 21.

1. If I am the user, I hope to get several notifications every time I logged in to remind me what operation I have to do 3 days in advance. Like separate the babies from mom (21 days), cut fingers of babies (7-14days) to do genotyping.

Updates case 17.

1. One or 2 Big bosses should have access to all data. They will have a button to get a summary of all current mice information, sacrificed information in the last week, month, 6-month, 1 year.

Already available case 12 but updated again.