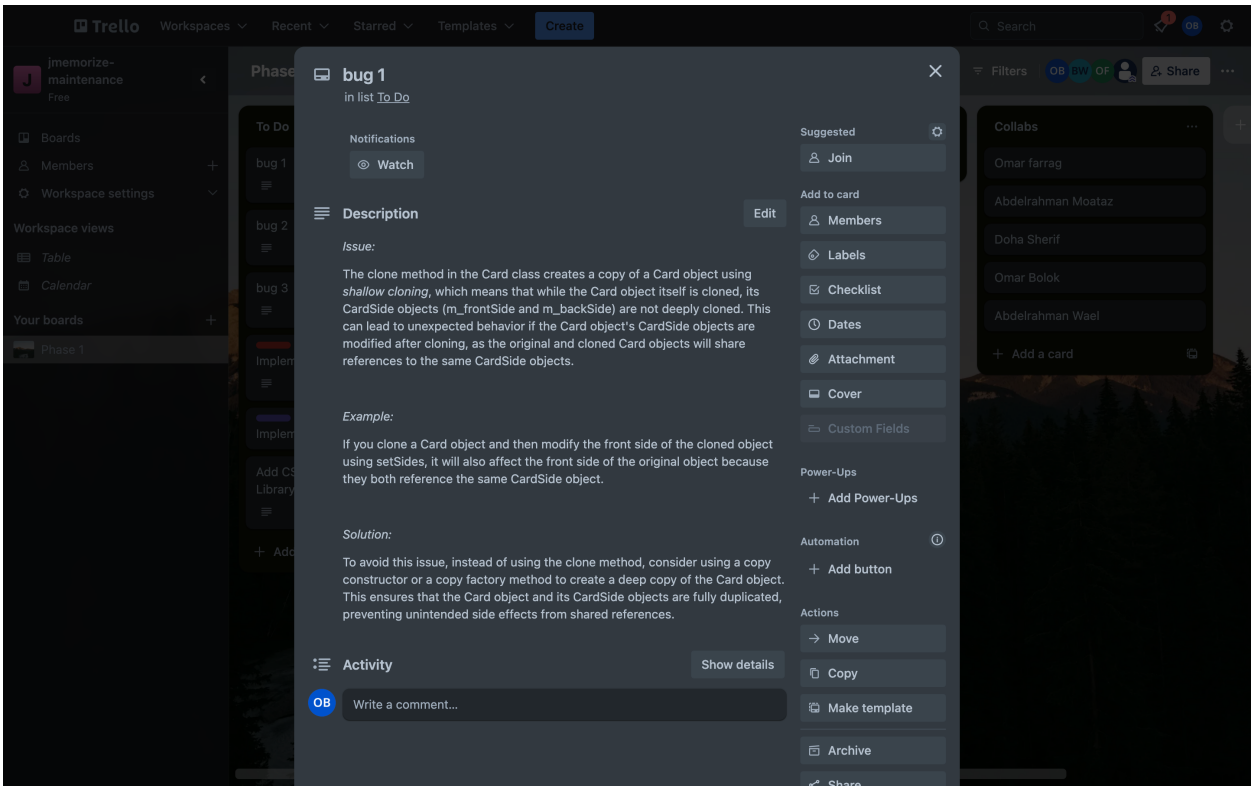
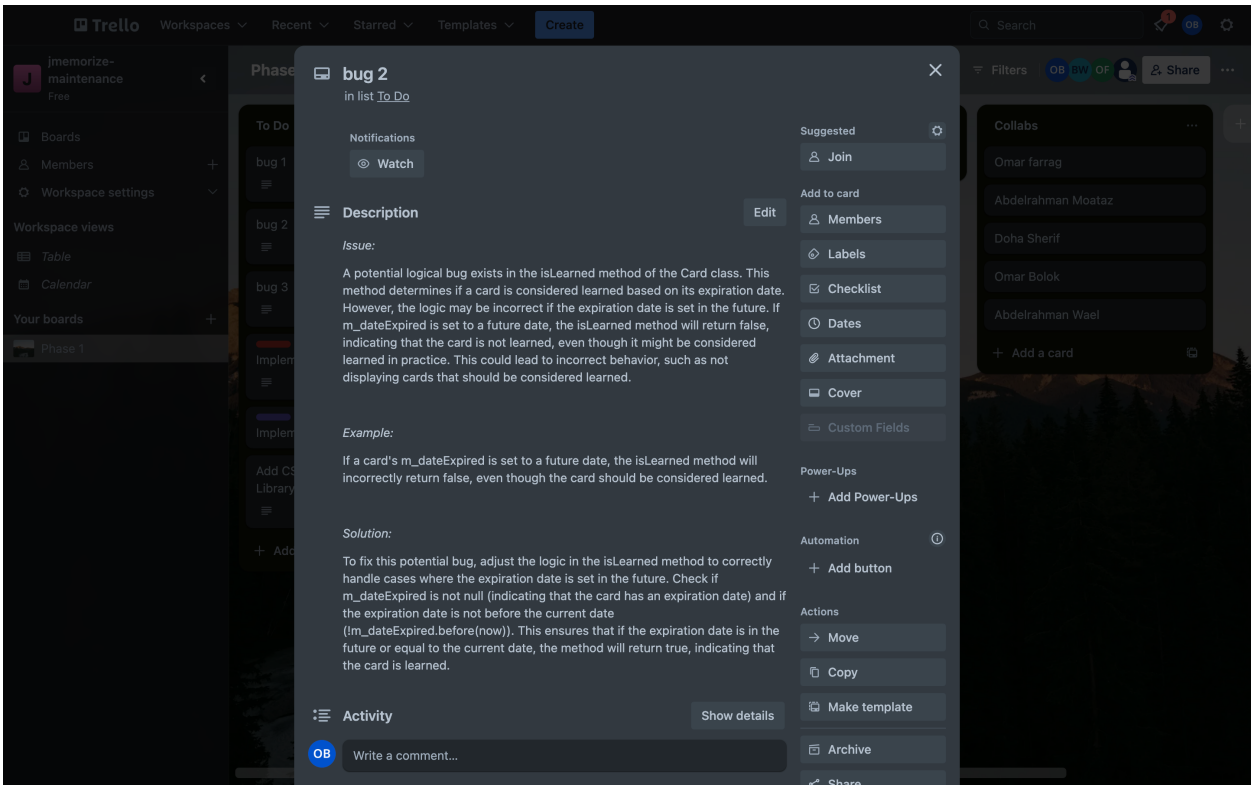
Maintenance Phase 1

Trello bugs and description

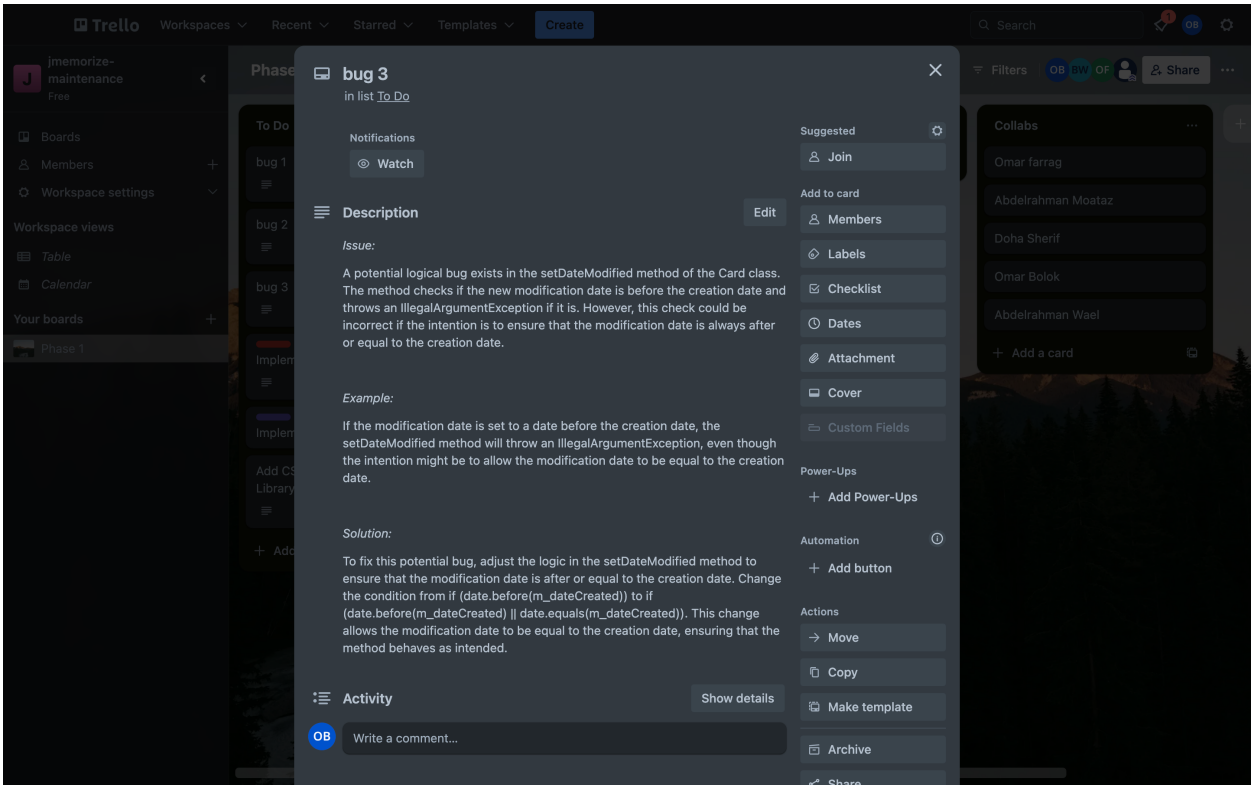
Bug 1



Bug 2


Trello
Workspaces
Recent
Starred
Templates
Create
Search
jmemorize-maintenance
Free
Boards
Members
Workspace settings
Workspace views
Table
Calendar
Your boards
Phase 1
Filters
Share
To Do
bug 1
bug 2
bug 3
Collabs
Omar farrag
Abdelrahman Moataz
Doha Sherif
Omar Bolok
Abdelrahman Wael
Add a card
bug 2
in list To Do
Notifications
Watch
Description
Edit
Issue:
A potential logical bug exists in the isLearned method of the Card class. This method determines if a card is considered learned based on its expiration date. However, the logic may be incorrect if the expiration date is set in the future. If m_dateExpired is set to a future date, the isLearned method will return false, indicating that the card is not learned, even though it might be considered learned in practice. This could lead to incorrect behavior, such as not displaying cards that should be considered learned.
Example:
If a card's m_dateExpired is set to a future date, the isLearned method will incorrectly return false, even though the card should be considered learned.
Solution:
To fix this potential bug, adjust the logic in the isLearned method to correctly handle cases where the expiration date is set in the future. Check if m_dateExpired is not null (indicating that the card has an expiration date) and if the expiration date is not before the current date (!m_dateExpired.before(now)). This ensures that if the expiration date is in the future or equal to the current date, the method will return true, indicating that the card is learned.
Activity
Show details
OB
Write a comment...
Suggested
Join
Add to card
Members
Labels
Checklist
Dates
Attachment
Cover
Custom Fields
Power-Ups
Add Power-Ups
Automation
Add button
Actions
Move
Copy
Make template
Archive
Share

Bug 3


Trello
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Collabs
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Add a card
bug 3
in list To Do
Notifications
Watch
Description
Edit
Issue:
A potential logical bug exists in the setDateModified method of the Card class. The method checks if the new modification date is before the creation date and throws an IllegalArgumentException if it is. However, this check could be incorrect if the intention is to ensure that the modification date is always after or equal to the creation date.
Example:
If the modification date is set to a date before the creation date, the setDateModified method will throw an IllegalArgumentException, even though the intention might be to allow the modification date to be equal to the creation date.
Solution:
To fix this potential bug, adjust the logic in the setDateModified method to ensure that the modification date is after or equal to the creation date. Change the condition from if (date.before(m_dateCreated)) to if (date.before(m_dateCreated) || date.equals(m_dateCreated)). This change allows the modification date to be equal to the creation date, ensuring that the method behaves as intended.
Activity
Show details
OB
Write a comment...
Suggested
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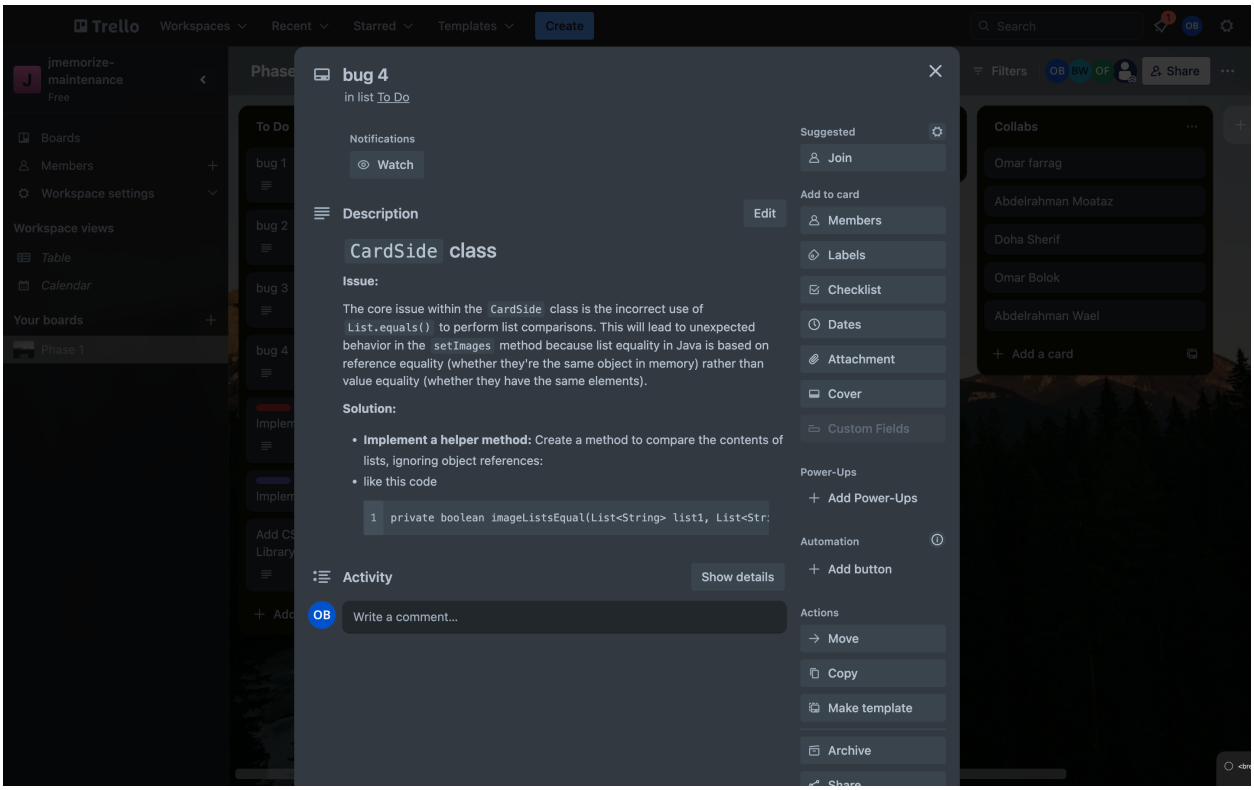
Add to card
Members
Labels
Checklist
Dates
Attachment
Cover
Custom Fields
Power-Ups
Add Power-Ups
Automation
Add button
Actions
Move
Copy
Make template
Archive

Bug 4


Trello
Workspaces
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Collabs
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Abdelrahman Wael
Add a card
bug 4
in list To Do
Notifications
Watch
Description
Edit
CardSide class
Issue:
The core issue within the CardSide class is the incorrect use of List.equals() to perform list comparisons. This will lead to unexpected behavior in the setImages method because list equality in Java is based on reference equality (whether they're the same object in memory) rather than value equality (whether they have the same elements).
Solution:
Implement a helper method: Create a method to compare the contents of lists, ignoring object references:
like this code
1 private boolean imageListsEqual(List<String> list1, List<Str
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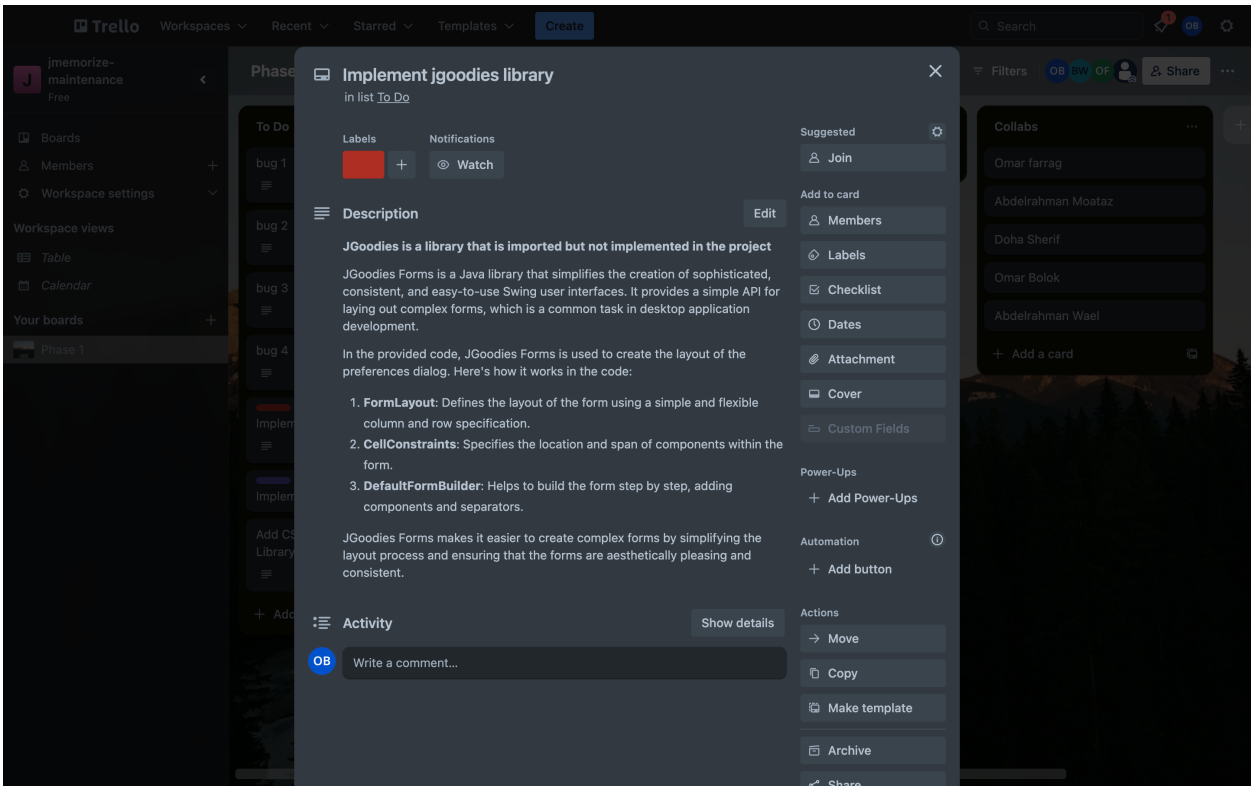
Members
Labels
Checklist
Dates
Attachment
Cover
Custom Fields
Power-Ups
Add Power-Ups
Automation
Add button
Actions
Move
Copy
Make template
Archive

Implement jgoodies library



Add CSVwriter and CSVReader Library