

HiveText

Sprint 3 Plan

Team 25

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Sprint Overview

This sprint will incorporate user stories that we didn't finish in the previous sprint, lingering bugs, and user stories that add additional, configurable functionality to HiveText. We will also include a chatbox, allowing users to communicate on collaborative files.

SCRUM Master: Bryan Battles

Risks and Challenges: The main challenge with this sprint will be fixing the bugs from the previous sprint before we even begin on the tasks for this sprint. We need the functionality working from the previous sprint in order to progress. Once we fix the residual bugs, we are past the hard part of the project and these tasks should be doable within the time we have allocated.

Current Sprint Detail

User Story #1

As a user, I would like to be able to view all staged changes made by a single user in a unique highlighted color when hovering over their username in the user panel.

Task #	Description	Time (Hours)	Assigned Team Member
1.	When a user hovers over a username in the user panel, all of their edits should be highlighted in the file.	6	Alex Geier
2.	All users should have uniquely highlighted colors corresponding to their edits.	3	Alex Geier

3.	Test that hovering over a user highlights all of their edits in their unique color	1	Alex Geier
4.	Test that unhovering a user removes the highlighting from that user's edits and restores highlighting to all removal type edits	1	Alex Geier
	Total	11	

Acceptance Criteria:

- There should be up to 30 different users allowed on a file with unique highlight colors.
- Hovering over a username should highlight all insert type edits made by that user.
- Removal type edits not made by the user hovered over should be unhighlighted.
- Removal type edits made by the user hovered over should remain highlighted.
- When the user is no longer hovering over a user in the user panel, all insert type edits should be unhighlighted and all removal type edits should be highlighted.

User Story #2

As a user, I would like to view the file in read-only mode without an account.

Task #	Description	Time (Hours)	Assigned Team Member
1.	A user without an account associated with HiveText should be able to access a file via a link in read only mode.	6	Arun
2.	The user should see edits being made to the file in real time.	4	Arun
	Total	10	

Acceptance Criteria:

- Users should be able to invite others to access a file in read only mode
- Users in read only mode should not be able to make edits
- Users in read only mode should be able to see edits made in real time

User Story #3

As a user, I would like to be able to remove somebody from a document.

Task #	Description	Time	Assigned Team Member
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		(Hours)	
1	Create delete button on each user on userList	3	George
2	Make so only admins may delete users from document	2	George
3	Remove file from deleted user's fileList	1	George
4	Remove user from file's userList	1	George
5	Update edits to accept with fewer users	2	George
	Total	9	

Acceptance Criteria:

- Clicking the button deletes the user from the userList
- Once a user is deleted, accept edits that now have enough votes
- Only admins can see and click the delete button
- The values on the database are correct

User Story #4

As a user, I would like to be able to view the base file without pending changes.

Task #	Description	Time (Hours)	Assigned Team Member
1	There should be an option in the menu bar under "view" called "show base file", and when it is clicked the editor should show the file contents from the database without any unaccepted changes.	4	Alex Geier
2	When an edit has been accepted while a user is in the show base file mode, the editor should update to show that accepted change.	3	Alex Geier
3	There should be an option in the menu bar under "view" called "show live file", and when it is clicked, the editor should load all unaccepted edits and update in real time again.	4	Alex Geier
4	Test that editor contents match fileContent in	.5	Alex Geier

	database when in base file mode.		
5	Test that the editor is updated when an edit is accepted to include changes made in that edit.	.5	Alex Geier
6	Test that the user can not add or remove text when in base file mode	.1	Alex Geier
	Total	12.1	

Acceptance Criteria:

- The user should not be able to type text when viewing the base file.
- The editor should update to show content of accepted changes as soon as the changes are accepted.
- The menu bar should have two new options under the view section: “show base file” and “show live file”
- Changes made by other users that have not been accepted should not appear for a user viewing the file in “base file” mode.

User Story #5

As a user, I would like to be able to write a short comment about what my staged change contains.

Task #	Description	Time (Hours)	Assigned Team Member
1	Implement the functionality that when clicking on a edit, show a comment window.	2	Guangqi Sun
2	Create a user input field in the comment window which accept user's comment.	2	Guangqi Sun
3	Add a submit button that allows the user to confirm their comment and update the comment in firebase for this edit.	5	Guangqi Sun
4	Add a text field in the comment window which shows the current comment of this edit.	2	Guangqi Sun
5	Add a close button in the comment window.	.5	Guangqi Sun
6	Test the functionality of adding comment.	3	Guangqi Sun
	Total	14.5	Guangqi Sun

Acceptance Criteria:

- A comment window should be shown when the user clicks on an edit in the edits to approve sidebar.
- A user should be able to write their comment on the created window.
- The user's comment should be shown correctly on the menu once the user submits the comment.

User Story #6

As a user, I would like to be able to have multiple tabs of open files.

Task #	Description	Time (Hours)	Assigned Team Member
1	Implement the functionality of creating a new tab when a new file is opened.	2	Guangqi Sun
2	Implement the functionality of showing the file name on the tab.	2	Guangqi Sun
3	Implement the functionality of closing a file when a tab is closed.	2	Guangqi Sun
4	Implement the functionality of switching between tabs.	10	Guangqi Sun
5	Test the functionality of tab.	1	Guangqi Sun
	Total	17	

Acceptance Criteria:

- A new tab should be created with the file name when a file is opened.
- When a new tab is created without linking to any exist file, "untitled" should be shown on the tab.
- The file which linked to a tab should be closed when the tab is closed.
- The content of a tab should be displayed on ACE editor once the tab is clicked.

User Story #7

As a user, I would like configurable consensus options. (e.g. majority vote or quota, offline user automatically accept option)

Task #	Description	Time (Hours)	Assigned Team Member
1	Create navigation bar option to open configure consensus window	3	George
2	Deactivate button if user is not an admin on the file	1	George
3	Create offline user automatically accept option	8	George
4	Create percent vote required option	2	George
5	Create quota required option	2	George
6	Create save and exit buttons	1	George
7	Test that all options work correctly and that they are put into effect immediately (edits are refreshed with new rules)	1.5	George
	Total	18.5	

Acceptance Criteria:

- Only admins may open this window that has acceptance settings options
- Offline users will automatically accept edits if this option is selected
- Edits will be accepted with the specified percentage
- Edits will be accepted with the specified quota

User Story #8

As a user, I would like to chat with other online users collaborating on the same file.

Task #	Description	Time (Hours)	Assigned Team Member
1	Implement a working chat box in the UI that allows a user to submit a message and loads chat messages for the current file.	2	Bryan
2	Create functionality that posts a message to the database	2	Bryan
3	Create functionality that updates the chat box	2	Bryan

	to display all chat messages in real time		
4	Create functionality that loads chatbox messages when the file is opened	2	Bryan
5	Create a “show more messages” option that will load more messages.	2	Bryan
6	Test that messages are displayed to other users and from other users concurrently	1	Bryan
	Total	11	

Acceptance Criteria:

- User should be able to type text, press submit, and have message stored on the database
- When a message is added to the database, all users with the file open should have their chatbox updated with the most recent message
- When a user opens the file, their chatbox should be loaded with the 5 most recent messages
- If the user selects “show more messages” the chatbox should load 5 more messages from the data

User Story #9

As a user, I would like to have separate communication channels in the chat box.

Task #	Description	Time (Hours)	Assigned Team Member
1	Create a UI option to switch and create different channels	2	Bryan
2	Create functionality to switch channels within the chat box	2	Bryan
3	Create functionality that stores messages in the database within the channel currently selected	2	Bryan
4	Create functionality that creates a new channel and updates the database accordingly	2	Bryan
5	Test that users can switch channels and	1	Bryan

	messages displayed in the chat box are only messages within the selected channel.		
	Total	9	

Acceptance Criteria:

- A user should be able to select what channel they want in the chat box through a dropdown menu
- A message posted to the chat box in a certain channel should only be stored on the database in the channel's messages
- A user should be able to create a new channel in a file's chat box, which will be unique to that file.
- A user's chatbox should only show and update messages from the channel they have selected

User Story #10

As a user, I would like to have a group of administrators who can force a pending change to be accepted or deleted.

Task #	Description	Time (Hours)	Assigned Team Member
1	On right click, give options "force accept" and "veto" an edit	5	Paramesh Pradeep
2	On veto, delete edit from database and list	3	Paramesh Pradeep
3	On force accept, accept the edit	3	Paramesh Pradeep
4	Test that vetos and forces work and update values in all necessary places	1	Paramesh Pradeep
	Total	12	

Acceptance Criteria:

- When an administrator right-clicks and selects veto, edit is deleted from the document.
- When an administrator right-clicks and selects veto, edit is deleted from the editList.
- When an administrator right clicks on an edit in the sidebar and selects force, the edit is accepted it is deleted from the edit list for all users.
- When an administrator right clicks on an edit in the sidebar and selects force, the highlighting for the edit is removed.

User Story #11

As an administrator/original owner, I would like to be able to assign a group of administrators

Task #	Description	Time (Hours)	Assigned Team Member
1	Make the original file owner the first user in the adminList of the file automatically	2	Paramesh Pradeep
2	Create "make admin" on user in Collaborators section	3	Paramesh Pradeep
3	Add user to adminList in file	2	Paramesh Pradeep
4	Update a newly added admin's window with newly available options	3	Paramesh Pradeep
5	Test that a user that is made admin will immediately see what options have become newly available to them. (edits, quota options, make admin) Also, check database for correct values.	1	Paramesh Pradeep
	Total	11	

Acceptance Criteria:

- If a user owns a file, he/she by default should be assigned as an administrator and gain the privileges(force/veto) that go with it
- Only an existing administrator can make another user an administrator.
- If the make admin button is pressed, user should be promoted to an administrator.
- For a newly assigned admin, all the necessary newly available options should be made available.

User Story #12

As a user, I would like to be able to hover over a pending change in the right panel and have the file scroll to the location of that change.

Task #	Description	Time	Assigned Team Member
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		(Hours)	
1	When hovering over an edit in the edit list, the editor should scroll to the line containing that edit.	4	Alex Geier
2	Test that hovering over edits results in the editor scrolling to the correct location of that edit.	.5	Alex Geier
	Test that unhovering an edit scrolls the editor back to the position the user was at before hovering over the edit.	.5	Alex Geier
	Total	5	

Acceptance Criteria:

- The editor should scroll so that the edit being hovered over is one of the first lines shown in the editor.
- If the user accepts the edit, the editor should scroll back to the position the user was at before accepting the edit.
- If the user unhovers an edit in the edits panel, the editor should scroll back to the position the user was at before hovering the edit.

User Story #13

As a user, I would like to be optionally notified on the desktop when I am the only user who has not voted to accept an edit.

Task #	Description	Time (Hours)	Assigned Team Member
1	When all other users except the current user have accepted an edit, the current user should receive an alert reminding them to accept the edit.	5	Arun
2	The alert should have a field called “go to edit” which when clicked scrolls the editor to the location of that edit.	1	Arun
3	Test that alerts/notifications show up when the current user is the last person needed to accept an edit.	.5	Arun

4	Test that clicking the “go to edit” field scrolls the editor to the correct location of the edit.	.5	Arun
	Total	7	

Acceptance Criteria:

- Users should receive an alert when they’re the only one who hasn’t accepted an edit
- The alert should take the user directly to the edit that they need to accept
- The alert should also have a close button to close the alert

User Story #14

As a user, I want to reset the number of users accepted to 0 when an edit is changed.

Task #	Description	Time (Hours)	Assigned Team Member
1	Whenever an edit is changed, clear the “accepted” list on database for edit	3	George
2	Whenever an edit is changed, toggle an users “accepted” option to false and update the acceptedCount	3	George
2	Test that the above works for all changes to all edits	1	George
	Total	7	

Acceptance Criteria:

- When an edit is changed clear the accept list from the database
- When an edit is changed toggle the accepted option for the user to false
- When an edit is changed toggle the accepted option for all other users to false

User Story #15

As a user, I want to be able to search for a user by username or email.

Task #	Description	Time (Hours)	Assigned Team Member
1	Create a search for username button by the add user to file button that opens a search	1	Bryan

	window		
2	Create a search window that has a field for search and can display search results.	1	Bryan
3	Within the search window, create functionality that searches for the user with the provided username or email	4	Bryan
4	When the user clicks a provided username, close the search window and enter the username in the add user text box.	3	Bryan
5	Test that searching works for usernames and emails and that the text is displayed in the add user textbox after selection.	1	Bryan
	Total	10	

Acceptance Criteria:

- The search button should open a new window
- On the new window, the user should be able to type a search query
- Searching for a username should show any usernames that contain the search query
- Searching for an email should show any username that has the provided email registered to their account.
- Clicking a search result should close the window and fill the “Share file with user” text field with the selected username

Backlog

(Green highlighted text indicates user stories planned for this sprint)

(Grey highlighted text indicates user stories finished)

(Red highlighted text indicates user stories that we have abandoned)

As a user, I would like to edit plain-text files.

As a user, I would like to interact with a desktop user interface

As a user I would like a cross-platform application.

As a user, I would like to have a personal user account.

As a user, I would like to be able to view all staged changes made by a single user in a unique highlighted color when hovering over their username in the user panel.

As a user, I would like to see which other users are currently online.

As a user, I would like any change I make to the file to be stored as an edit.

As a user, I would like to add child edits to existing edits within a shared file.

As a user, I want to be able to select and deselect child edits from a staged parent.

As a user, I would like to view the file in read-only mode without an account.

As a user, I would like to have multiple users collaborating on the same file.

As a user, I would like to see all edits made to a file by all users in the sidebar.

As a user, I would like to be able to vote to accept edits made to a file.

As a user, I would like to be able to delete somebody from a document.

As a user, I would like to be able to access a file from the database.

As a user, I would like to be able to invite other users to collaborate on a file.

As a user, I would like to be able to edit files offline.

As a user, I would like to be able to upload a file to my user account.

As a user, I would like to be able to drag a file on top of the window to upload it.

As a user, I would like to be able to download a file to my local computer.

As a user, I would like to be able to change the font size of the text.

As a user, I would like to have automatic code indenting.

As a user, I would like to turn line numbers on and off.

As a user, I would like to be able to find and replace text.

As a user, I would like to be able to cut/paste text via cursor or keyboard shortcuts.

As a user, I would like to be able to view the base file without pending changes.

As users, we would like to come to a full consensus about staged changes before saving.

As a user, I would like to be able to write a short comment about what my staged change contains.

As a user, I would like the ability to stage multiple changes at one time as separate edits.

As a user, I would like to be able to change my password.

As a user, I would like to be able to delete any edits I personally have made.

As a user, I would like to be able to have multiple tabs of open files.

As a user, I would like to see other users' edits within the file.

As a user, I would like to be able to change my profile settings.

As a user, I would like configurable consensus options. (e.g. majority vote or quota, offline user automatically accept option)

As a user, I would like to change the visual theme of the editor (e.g. dark or light theme).

As a user, I would like to chat with other online users collaborating on the same file.

As a user, I would like to have separate communication channels in the chat box.

(If time allows) As a user, I would like to see how the file looked at any point in time, as a slider.

(If time allows) As a user, I would like to have a visual file tree for shared directory access.

As a user, I would like to have a group of administrators who can force a pending change to be accepted or deleted.

As an administrator/original owner, I would like to be able to assign a group of administrators

As a user, I would like to be able to hover over a pending change in the right panel and have the file scroll to the location of that change.

As a user, I would like to be optionally notified on the desktop when I am the only user who has not voted to accept an edit.

As a user, I want to reset the number of users accepted to 0 when an edit is changed.

As a user, I want to be able to search for a user by username, full name, or email.