

Product Backlog

CSE 6324: Agile/Scrum – Fall 2024

Project Title: Charles – A Technical Analysis Charting Assistant

Project Type: Website

Charles, a website AI Chatbot that can produce stock charts with indicators based on user input – saving time for investors looking for a quick technical snapshot of a stock.

Team members: Bailey Nguyen, Justin Hawthorne, Austin Johnson, Michal Clarke, Daylen Griffen

(First name listed and underline is the Backlog Master going forward)

Note: This project consists of 3 sprints, each sprint 2 weeks:

Sprint # Start Date End Date	Story #: Story Title (e.g. Story 1: Registration Page)	No. of Days (via Poker planning)	Status {TBC=To be Completed IP= In progress, or C = Complete}
Sprint 1 10/21 - 11/04	Pair 1: <ul style="list-style-type: none"> Story 1: Login Story 12: Register Story 2: Subscribe 	3 1 2	C C C
	Pair 2: <ul style="list-style-type: none"> Story 4: See Stock Chart Story 11: Use Charles on the Internet 	3 3	C C
Sprint 2 11/5 – 11/18	Pair 1: <ul style="list-style-type: none"> Story 3: Un-Subscribe Story 8: Change Stock Chart Time Frame 	2 3	C C
	Pair 2: <ul style="list-style-type: none"> Story 5: Add Indicators to Stock Chart Story 9: Test Trial Before Paying 	3 1	C C

Sprint 3 11/19 – 12/02	Pair 1: <ul style="list-style-type: none"> • Story 6: Change Indicators on Stock Chart • Story 12: Charles will friendly respond to requests 	3 1	C C
	Pair 2: <ul style="list-style-type: none"> • Story 7: Change Stock with Previously Given Indicators • Story 10: See News and Financials for Stock 	2 3	C C
Project Closure 12/4/2024	Closure Master: Austin	N/A	TBC

Sprint 1

Start Date – End Date:	10/21/2024 – 11/04/2024
ScrumMaster Name:	Bailey
Pair 1 members:	Austin & Daylen
Pair 2 members:	Justin & Micah
Number of Stories:	5
Story 1:	<p>Story Title: Login</p> <p>Long Description: Login a user. User does not have to be an existing user. If the user has a Google account or supported SSO provider, they can login.</p> <p>As a user I want to be able to login to use and manage my subscription</p>
Story 13:	<p>Story Title: Register</p> <p>Long Description: Register a new account to use Charles.</p> <p>As a use I want to create a new account to use Charles</p>
Story 2:	<p>Story Title: Subscribe</p> <p>Long Description: Allow the user to subscribe monthly to core features of Charles by allowing them to input payment method and securely process payment.</p> <p>As a user I want to subscribe to use Charles</p>
Story 4:	<p>Story Title: See Stock Chart</p> <p>Long Description: Allow the user to input text to Charles the desired stock name or ticker they would like to see. And Charles will return an image of the desired stock.</p> <p>As a user I want to tell Charles a stock to see an image of the stock</p>
Story 11:	<p>Story Title: Use Charles on the Internet</p> <p>Long Description: User should be able to access Charles on the internet like a normal website</p> <p>As a user I want to access Charles on the internet</p>

Sprint 2

Start Date – End Date:	11/05/2024 – 11/18/2024
ScrumMaster Name:	Daylen
Pair 1 members:	Bailey & Justin
Pair 2 members:	Austin & Micah
Number of Stories:	4
Story 3:	<p>Story Title: Un-Subscribe Long Description: Allow the user to unsubscribe from an existing subscription and no longer be charged the next month. The user should still have access until the end of the pay period.</p> <p>As a user I want to un-subscribe to stop paying and using Charles</p>
Story 8:	<p>Story Title: Change Stock Chart Time Frame Long Description: Allow the user to change the stock chart time frame</p> <p>As a user I want to tell Charles to change the timeframe to see a stock chart with my specified timeframe</p>
Story 5:	<p>Story Title: Add Indicators to Stock Chart Long Description: When user looks at a stock or asks for stock new, Charles will give back relevant news</p> <p>As a user I want to tell Charles to add indicators to see an image of a stock with indicators on top</p>
Story 9:	<p>Story Title: Test Trial Before Paying Long Description: Allow the user to try Charles before deciding to pay for it</p> <p>As a user I want to try Charles before paying a subscription</p>

Sprint 3

Start Date – End Date:	11/19/2024 – 12/02/2024
ScrumMaster Name:	Justin
Pair 1 members:	Austin & Bailey
Pair 2 members:	Micah & Daylen
Number of Stories:	4
Story 6:	<p>Story Title: Change Indicators on Stock Chart Long Description: Allow the user to change the existing indicators the user wants to see on the stock chart</p> <p>As a user I want to tell Charles to add/remove indicators to see an updated image of a stock with updated indicators</p>
Story 10:	<p>Story Title: See News and Financials for Stock Long Description: When user looks at a stock or asks for stock news and/or financials, Charles will give back relevant news and financial sheets</p> <p>As a user I want Charles to tell me news about a stock As a user I want Charles to give me financials about a stock</p>
Story 7:	<p>Story Title: Change Stock with Previous Given Indicators Long Description: Allow the user to change the stock given previous context of indicators the user was using</p> <p>As a user I want to tell Charles to use a different stock but with same indicators to see an image of the different stock with same indicators</p>
Story 12:	<p>Story Title: Charles will friendly respond to requests Long Description: When the user sends requests to Charles, Charles should reply with friendly text acknowledging the request</p> <p>As a user I want to tell Charles a request and see a friendly chat response from Charles</p>

Burndown Chart

