



SKWAD

Ryan, Anthony, Pat, Brendan, Chris



Project Overview

Excelsior is a chatbot designed to assist students taking Siena's CSIS 010 and CSIS 011 courses. This chatbot is able to help answer questions about the topics covered in their labs.

When asking Excelsior questions pertaining to Microsoft Excel, the user will receive a relevant answer containing all of the information that Excelsior has on that topic, possibly including video, images, and textbook references.

Excelsior Chatbot

|Ask me anything! (about excel pls)



Hi there! I'm Excelsior. What can I do for you? how do I make a dark border

Excelsior: I don't understand you. Why are you here.



Administrator Login

sup

login

Username

username

Password password

remember

forgot your password? [click here](#)

new user? [create new account](#)

Excelsior Demo



Sprint 4+5 Stories: Overview


- Response System
- Admin View
- Client/Server Interaction
- Porter Stemming Algorithm
- Bag of Words Refinements
- Similarity Algorithm --> Minor Typo Detection
- Update Database
- New UI
- User & Operator Manuals
- Symbols Page
- Mobile Responsiveness
- Support for Chrome, Firefox, Safari, and even Edge!
- Eliminating redundant information in our database

Sprint 4 Stories

As a student,
I want to be able to submit feedback,
So that the information I am given can be improved

As an admin,
I want to be able to see all of the feedback,
So I know where to make improvements

As an admin,
I want to be able to remove feedback,
So that I do not see issues that have been resolved



Sprint 4 Stories

As a student,

I want my question to get a response from the database,
So that I can get an answer from the chatbot

As a user,

I want my question to be processed further than just parts of speech
tagging,
So that I can get a more accurate response

As a developer,

I want to reduce overlap in the bag of words,
So that every possible answer can be received by a student

Sprint 4 Stories

As a developer,
I want to rank similarity in the bag of words,
So that the most relevant answer is retrieved

As a user,
I want a breadth of information about excel stored in the database,
So I can answer a variety of questions

Sprint 5 Stories

As a student,
I want to enter queries at the bottom of the page,
So that it feels like a text conversation

As a user,
I want a navbar,
So that I can navigate the website easily

As a user,
I want each webpage to have a consistent layout,
So that the site is visually pleasing and easy to use

Sprint 5 Stories

As a user,


I want to be able to access documentation on the website,
So that I can quickly figure out how to use the chatbot

As a user,

I want important symbols to be on its own page,
So that I don't have to query for simple information

As a user,

I want the chatbot webpage to be mobile responsive,
So that I can use it on my phone



Sprint 5 Stories

As a user,

I want the chatbot to work on many popular browsers,

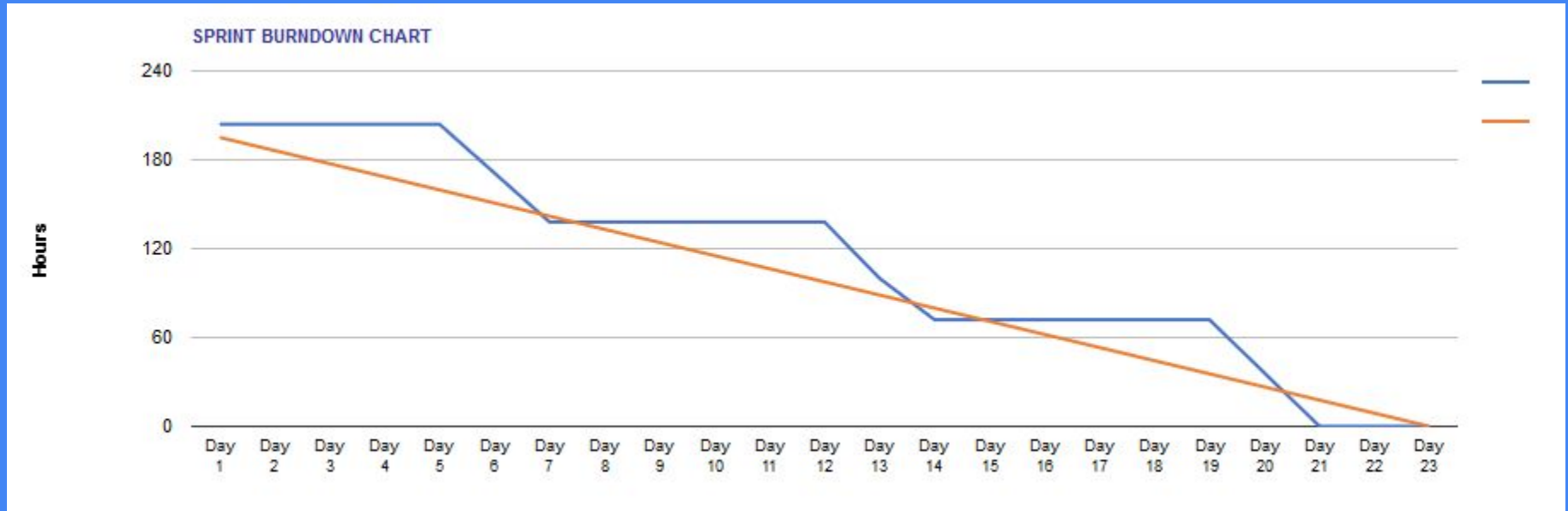
So that I'm not forced into using a browser I don't normally use

As a user,

I want to be able to retrieve any piece of information from the database,

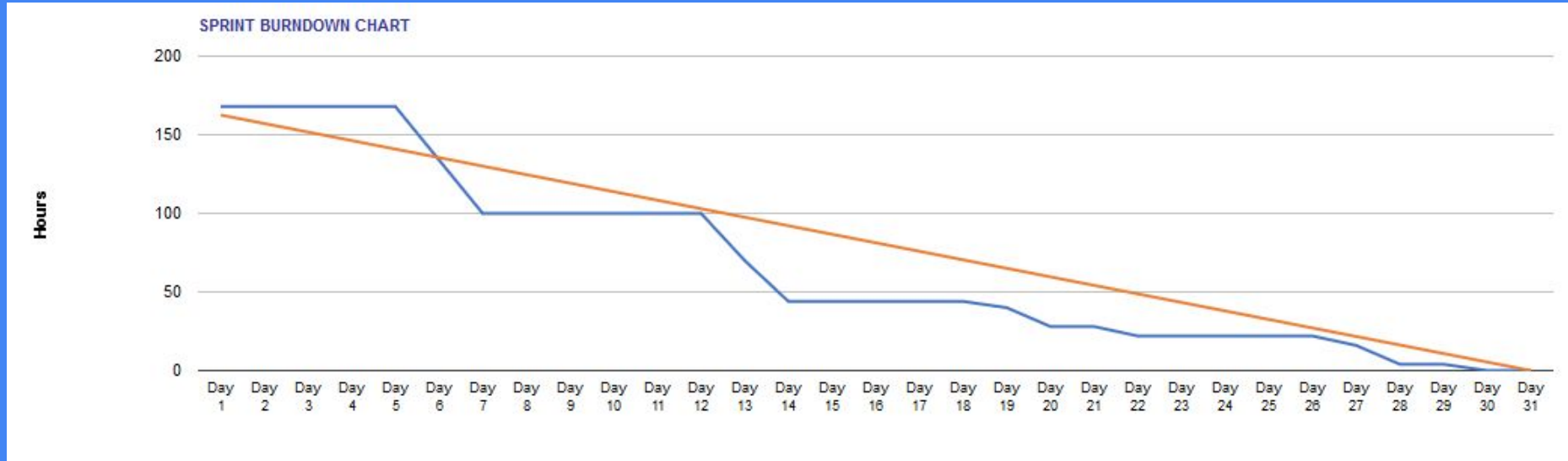
So that I can have any lab question answered

Burndown chart Sprint 4



Attempted 58 points, Completed 58 points
Velocity Measurement: 36.5

Burndown chart Sprint 5



Attempted 33 points, Completed 33 points
Velocity Measurement: 35.8


Multiple Improvements in your AO

- Consistently met each Saturday and Sunday
- Work division (Everyone working on something different, but together)
- SYNERGY
- God tier communication #slack
 - Slack channels (Links, Meetings, Emails)

What Worked Well?

- We became a fine tuned machine for the cause of our fearless leader
- Communication was excellent
- Working hard every weekend helped us tackle more points
- Overall, we feel we had an excellent group experience

What would we have done differently?

- More time on NLP
 - Create different similarity algorithms
 - Utilized machine learning for evaluating the value of different words
 - More sprints
 - Looked further into the possibility of using Java
- 

Any Questions for the SKWAD?

