



s t o r y   a n a l y z e r

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s p r i n t   2   r e p o r t



**scrumbucket**

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**scrumbucket**

## Login/Home

The image displays two screenshots of a web application called "Story Analyzer".

**Top Screenshot: Login Page**


- URL:** `https://localhost:44380/login.aspx?loggedout=true`
- Header:** Includes the "SA" logo and navigation links for "Home", "About", and "Datasets".
- Main Content:**
  - ### Story Analyzer
  - "A picture tells a thousand words"
  - An application that helps users visualize and understand a story through the use of natural language processing (NLP) and data visualization.
- Login Form:**
  - Fields for "Username" and "Password".
  - A "Login" button.
  - A green message: "User Successfully Logged Out!".
  - A link: "Don't have an account? Click [here](#)."

**Bottom Screenshot: Home Page**

- URL:** `https://localhost:44380/HomePage.aspx`
- Header:** Includes the "SA" logo, a "Sign Out" button, and a navigation menu with "Home" (active), "Profile", "Datasets", "Social", and "About".
- Main Content:**
  - ## Welcome back, Danny
  - ### What would you like to analyze today?
- Decorative Element:** A large graphic on the right side of the page consisting of overlapping triangles in shades of pink, purple, and blue.

## Create Account

https://localhost:44380/NewProfile.aspx




### Create Account

First Name  Last Name

Email Address  Phone Number


Street Address

City  State  Zip

Story Analyzer © 2019 by Michel Mitri.  Contact: Mail me

Type here to search

https://localhost:44380/NewUserPass.aspx




### Create Account

Organization

Username

Password

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# FINISHED PAGES

## Edit Profile

https://localhost:44380/EditProfile.aspx

SA [Sign Out](#)

[Home](#) **[Profile](#)** [Datasets](#) [Social](#) [About](#)

### Edit Profile

**First Name** :  **Last Name**

**Email Address**  **Phone Number**

**Street Address**

**City**  **State**  **Zip**

**Organization**

[Save](#)

Story Analyzer © 2019 by Michel Mitri [Contact: Mail me](#)


## About

SA | About [https://localhost:44380/MoreInfo.aspx](#)

[Home](#) [Profile](#) [Datasets](#) [Social](#) **[About](#)**

### About Me

I am a professor at James Madison University, where I teach Computer Information Systems in the College of Business. My research interests focus on AI, natural language processing, and data visualization. I am also very interested in pedagogical/curricular issues and methods, especially related to the information systems discipline. In my spare time, I like to read, play online chess, exercise, spend some time with my wife, family, and friends, and of course, code.



### Acknowledgements

Many thanks go to Kevin Kotowski, Connor Manyx, Kenny Nguyen, and Ved Sheth, who are all CIS majors or alums at James Madison University. They have contributed invaluable help as research assistants under James Madison University's REU Program. Thanks also to my son, Brendan Mitri, who designed the home page you are currently looking at, fixed some glitches in my code for me, and assisted with video editing and a bit of additional dashboard coding.

Thanks to James Madison University for contributing REU funding and for providing me an educational leave in Fall 2015, during which I learned how to work with NLP and visualization APIs.

Story Analyzer is built using many useful software APIs and code snippets. Stanford's CoreNLP does the heavy AI lifting. Dashboards are built using Data Driven Documents (D3), as well as Google's Visualization and Map APIs. Some specific code examples were particularly useful for the Story Analyzer dashboard. For example, the Timeline visualization is heavily influenced by this D3 code. The Interactions visualization is an example of a chord diagram, and was adapted from this code. The word clouds rely on this code.

## Upload Document

SA | Upload

https://localhost:44380/SendAnalysisRequest.aspx

Home Profile **Datasets** Social About

Send Analysis Request

Story Title

Story Source (URL)

Choose File No file chosen Upload a Document

OR

Body of Story Text

Type here to search

11:42 AM 11/11/2021

View Analysis

https://localhost:44380/ViewResult.aspx

Home Profile **Datasets** Social About

Select Analysis to View

lecj@dukes.jmu.edu 2021-09-15 17:34:11

Dropdown 1

Story Analyzer © 2019 by Michel Mitri.

Contact: Mail me

## Usability Test Script

Step 1) Create an account (no real personal information necessary)

Step 2) Create your username and password

Step 3) After returning to the homepage, log in with your new credentials

Step 4) In the profile page, edit your first name

Step 5) Return to homepage

Step 6) Under datasets, click on "Send Analysis Request"

Step 7) Find an article online, and copy the URL into the "Story Source (URL)" form

Step 8) Copy the headline of the article into "Story Title" form

Step 9) Copy the body text of the article and post it into the "Body of Story Text" form

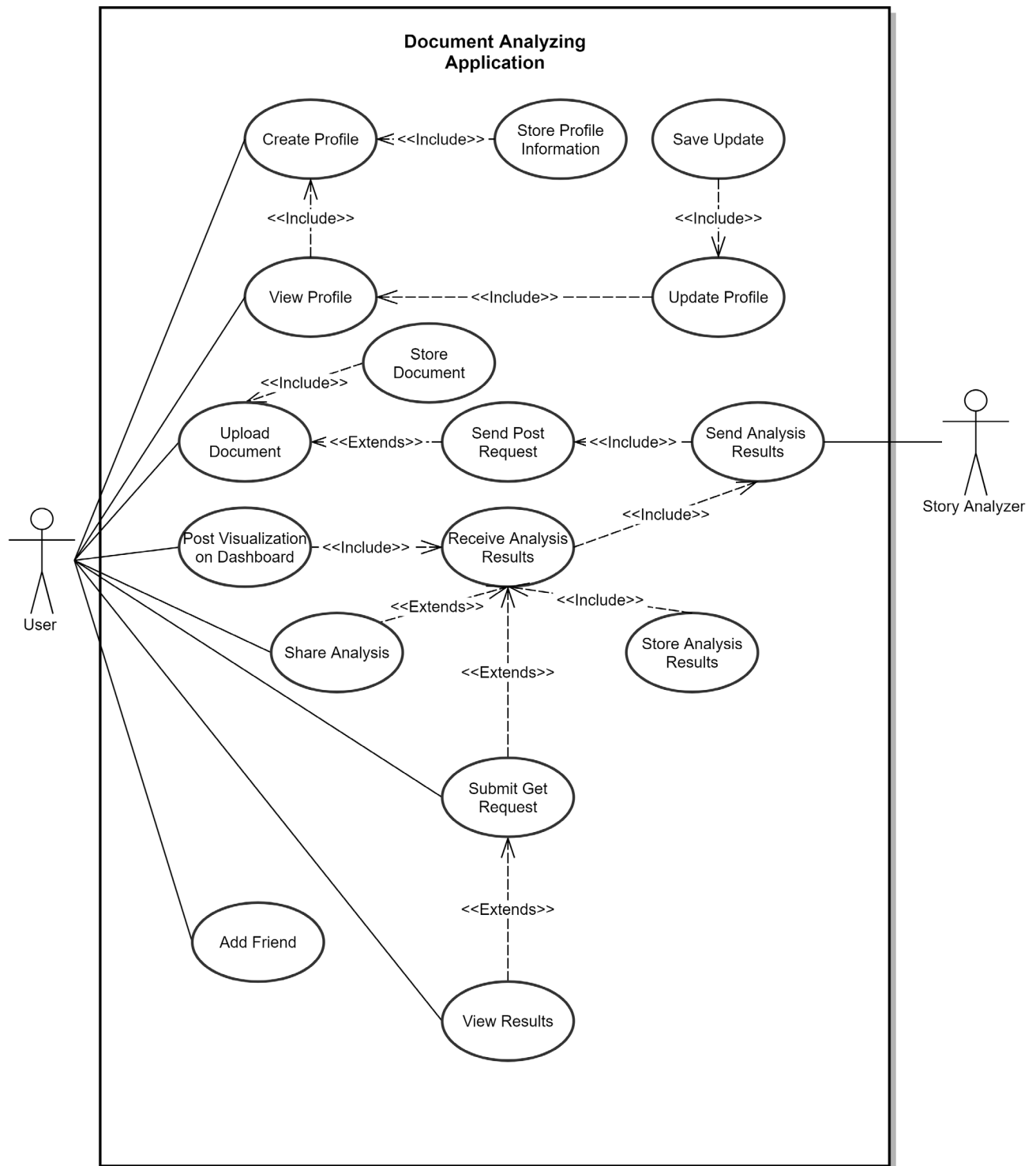
Step 10) Submit Analysis Request

Task	User #1	User #2	User #3	User #4
1	✓	✓	✓	✓
2	✓	✓	✓	✓
3	✓	✓	✓	✓
4	✓	✓	✓	✓
5	X	X	✓	X
6	✓	✓	✓	✓
7	✓	✓	✓	✓
8	✓	✓	✓	✓
9	✓	✓	✓	✓
10	✓	✓	✓	✓

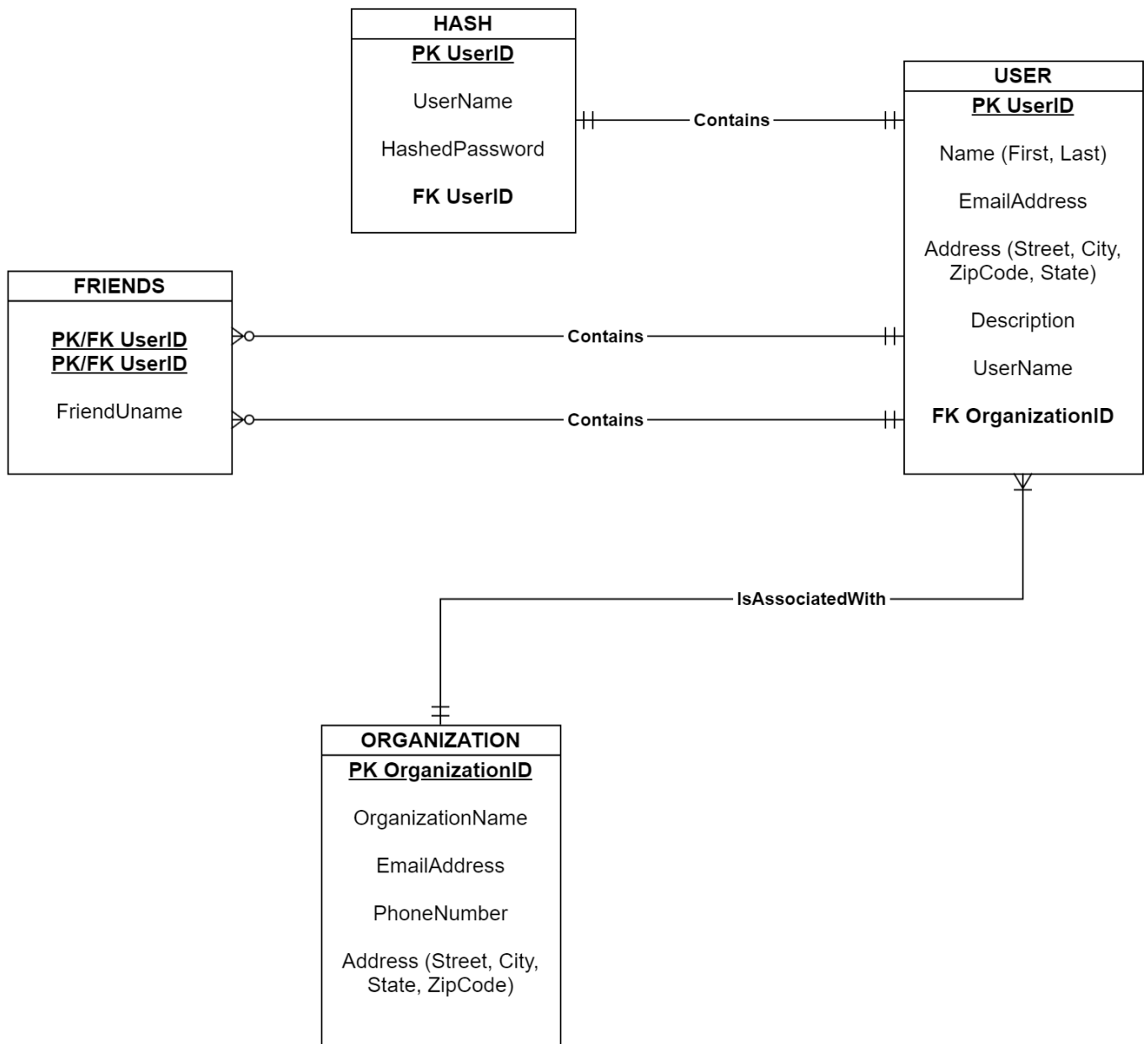
## Conclusions

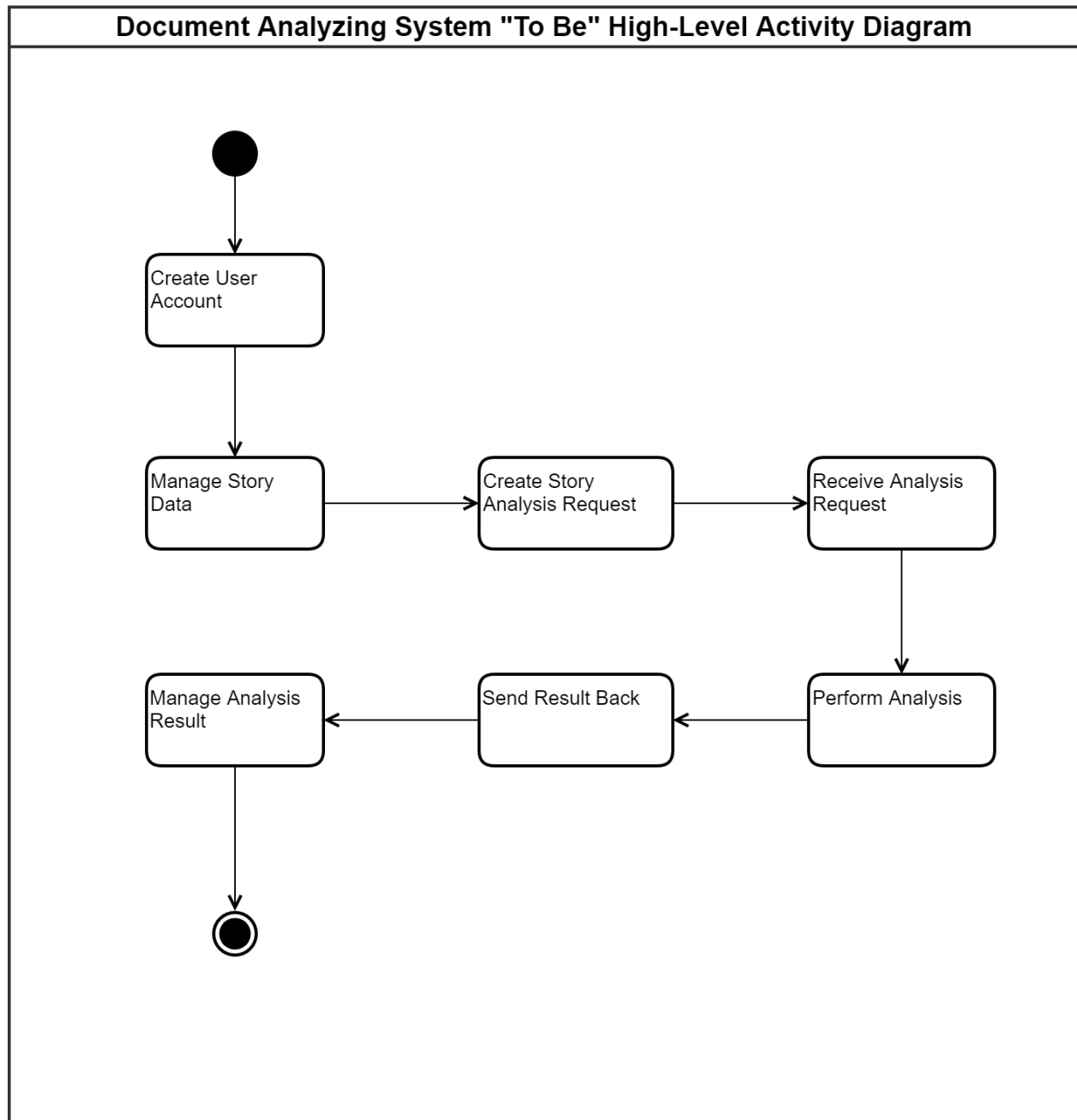
A recurring usability issue occurred when trying to navigate back to the homepage from other pages. Since the only link to the homepage was the unlabeled logo in the top left corner, users had difficulty identifying it as the home button. We intend to resolve this issue through the use of a fixed navbar located on each page with a clear link to the homepage. Other users said that the website looked "plain," and wished that the color scheme was implemented more across the site. We intend to implement more design features (such as a homepage graphic) to make the site more visually appealing. Generally, users described the site as "simple" and "user-friendly."

# USE CASE DIAGRAM









**Christian Le***System Functionality Developer*

Christian is a senior Computer Information Systems major planning to graduate this fall. He is interested in database management and system development. Post graduation, he is hoping to find a job as a systems analyst or anything within the information systems field.

**Tofiq Gasimov***System Functionality Developer*

Tofiq Gasimov is a Senior Computer Information Systems Major at James Madison University. He is interested in Database design and Implementation. After graduation, he hopes to find a job as a Database Manager/Assistant.

**Theo Mott***System Functionality Developer*

Theo Mott is a Senior Computer Information Systems Major at James Madison University. He works as a Fitness Manager at the University Recreation Center and after Graduation, he hopes to find a job as a Computer Systems Analyst.

**Zach Tillery***Project Manager*

Zach is a double major in Finance and Computer Information Systems. He plans on graduating in spring of 2022. After graduation he would like to become a cyber security analyst or a system analyst working on system development and integration.

**Rita Yoham***User Experience Designer*

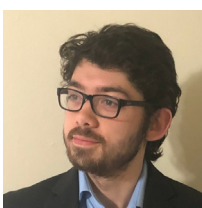
Rita is a senior SMAD major with a concentration in Interactive Design. She is interested in user experience design, interaction design, and front end coding. She is also the Creative Director of Advertising at The Breeze.

**Zach Greenbaum***User Experience Designer*

Zach is a senior SMAD major with a concentration in Interactive Design. He is interested in branding and web design. He is also a production assistant and technical director for Breeze TV.

**Jacob Carter***User Experience Designer*

Jacob is a senior SMAD major with a concentration in Interactive Design. He's the Opinion Editor for the Breeze, and has extensive experience in print design using Adobe InDesign and Illustrator.

**Jacob Willis***System Functionality Developer*

Jacob is a senior computer information systems major expecting to graduate in December. He is interested in cybersecurity and systems development. Outside of his classes he likes to participate in capture the flag competitions and hopes to find a job in cybersecurity upon graduation.