

<div>

// Group 9

Article Search System

</div>

<h1> SOFTWARE ENGINEERING </h1>
<!--
 ITSC 3155 051
 -->



```
$Group.Members() /*  
 * Alex Raygoza  
 * Hari Dhimal  
 */
```

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\$.main.Index()

//02

<p> User Stories </p>

```
$.User.Stories() {  
    let stakeholder = user;  
}
```

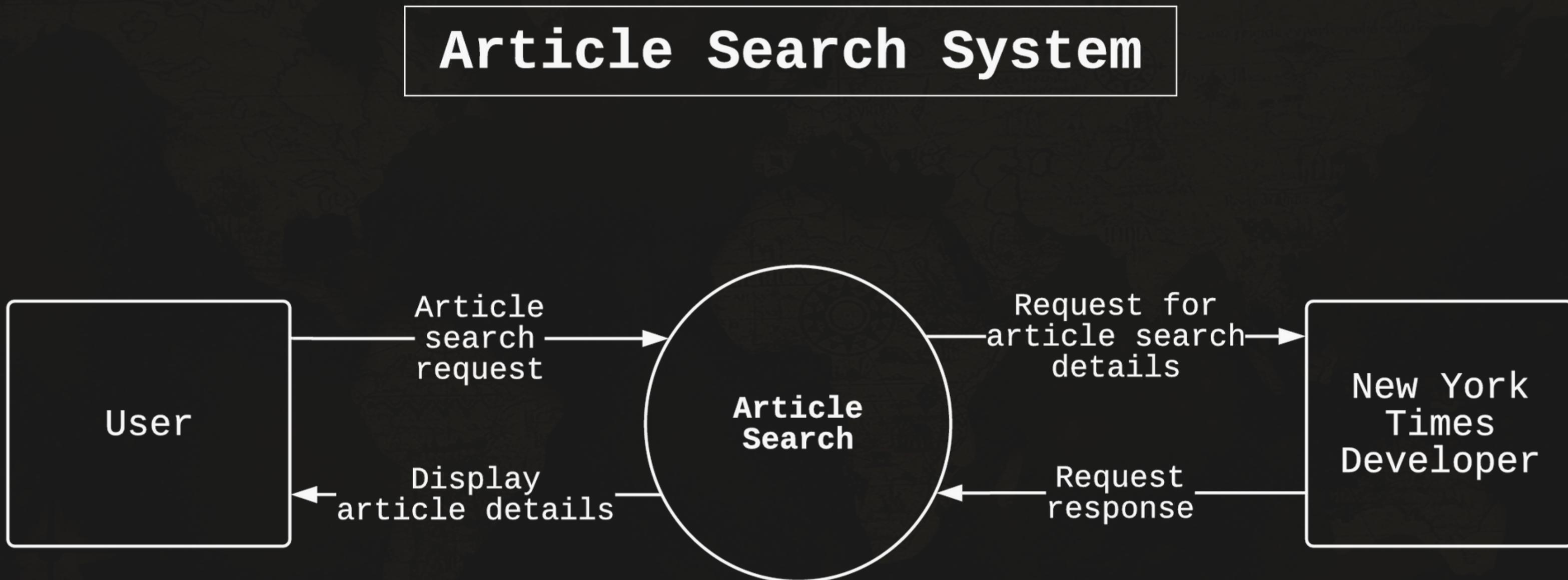
As a	Stakeholder	I would like to	Objective	So that	Driver
As a	User	<i>I would like to</i>	Be able to search for a specific article from the main home page.	<i>So that</i>	I can direct towards the article that I am interested in instead of going to each article.
As a	User	<i>I would like to</i>	Be able to watch the latest news from the headlines at the main page	<i>So that</i>	The user does not have to go through all categories of the news.

```
$.features.from(User.Stories) // world.html  
// science.html  
// art.html  
// us.html
```


 Features

```
/*  
Create Search box with submit button  
--- User should be able to search for article by typing  
desired keyword  
Include latest world, science, art and US headlines  
--- User should be able to click on URL and get  
directed to news source  
*/
```

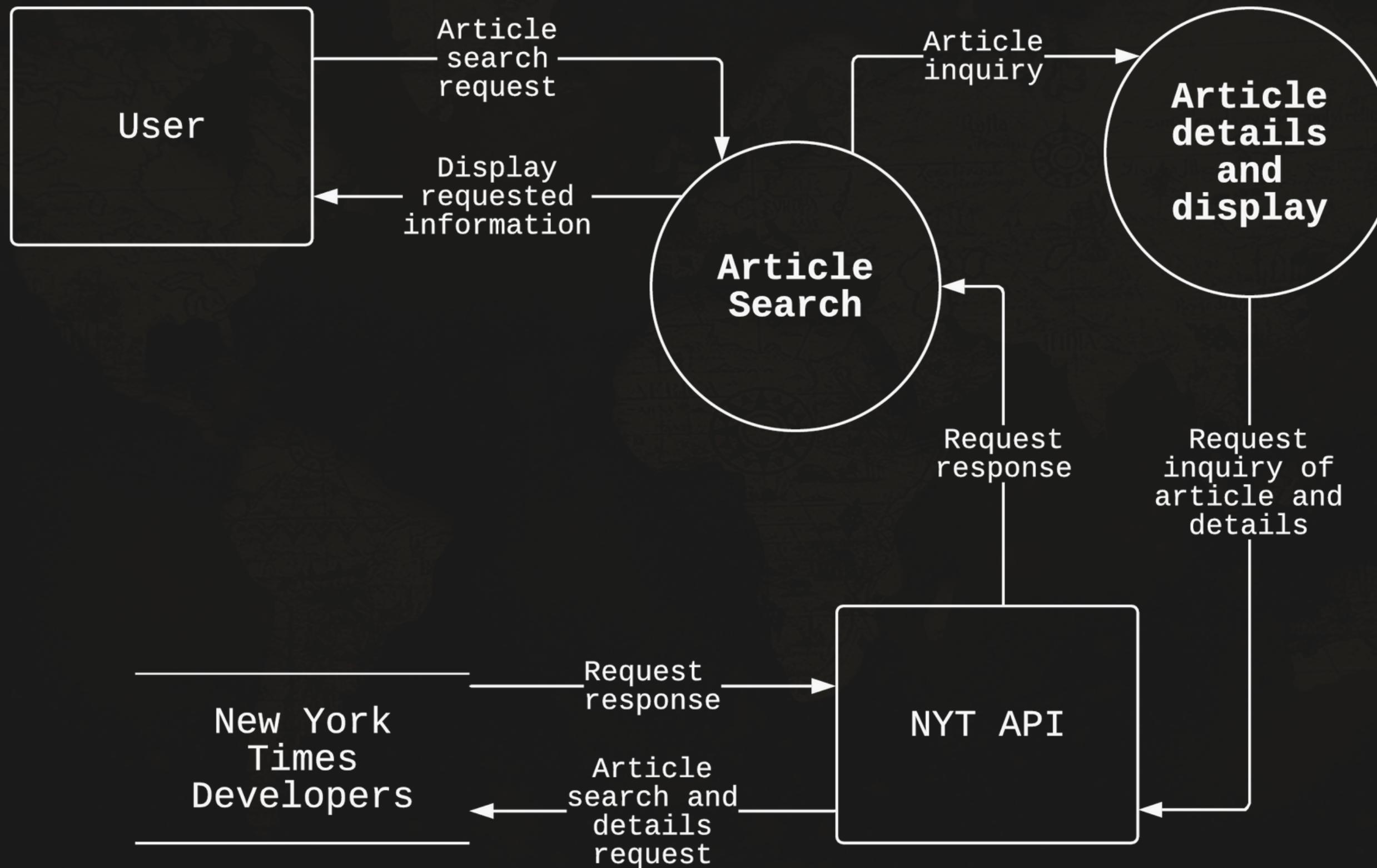
 Context Diagram



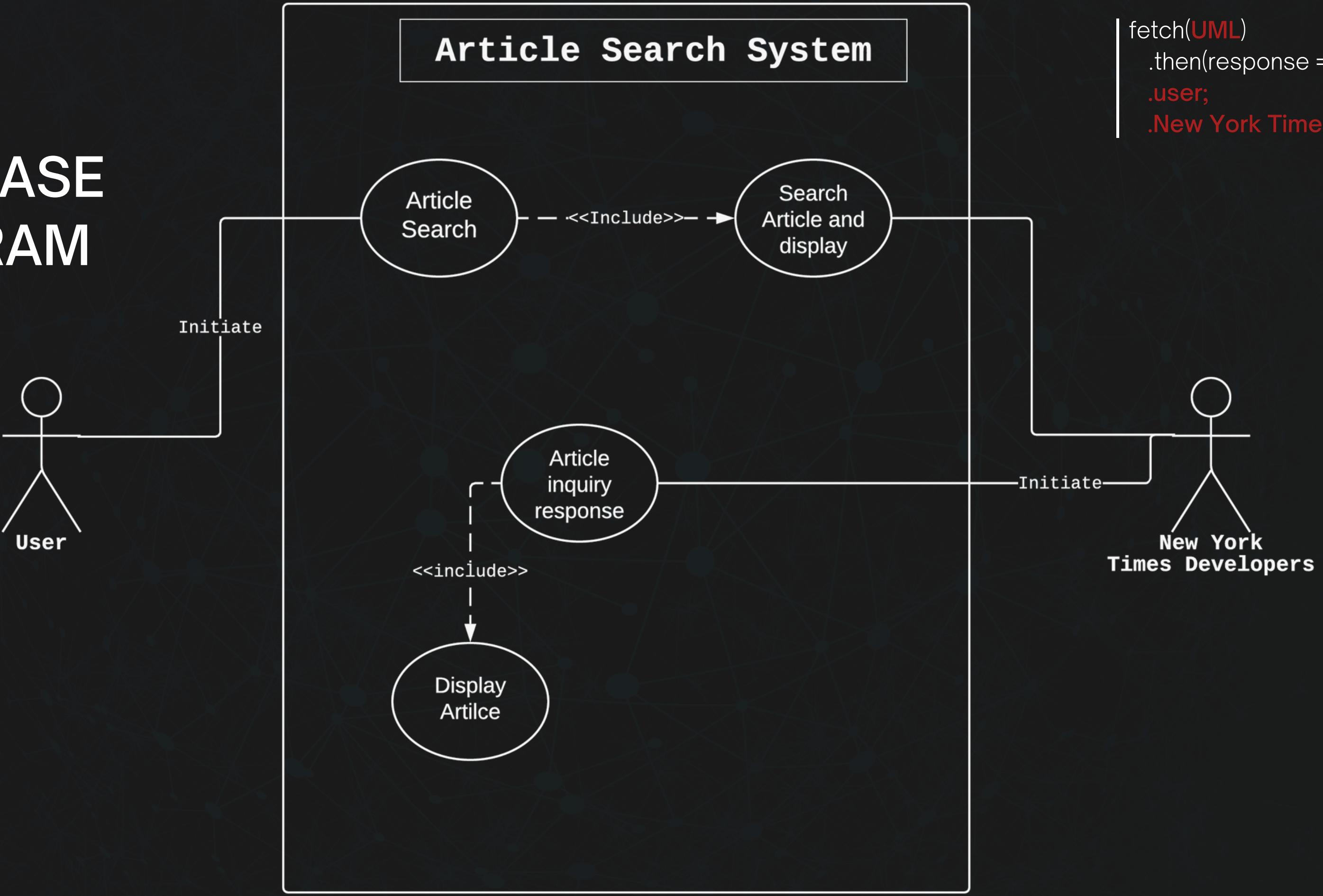
D5

Article Search System

```
$.each(ENTITY['user']['NYT.api']) {  
}
```



img {
 UML
 USE CASE
 DIAGRAM
}



//07

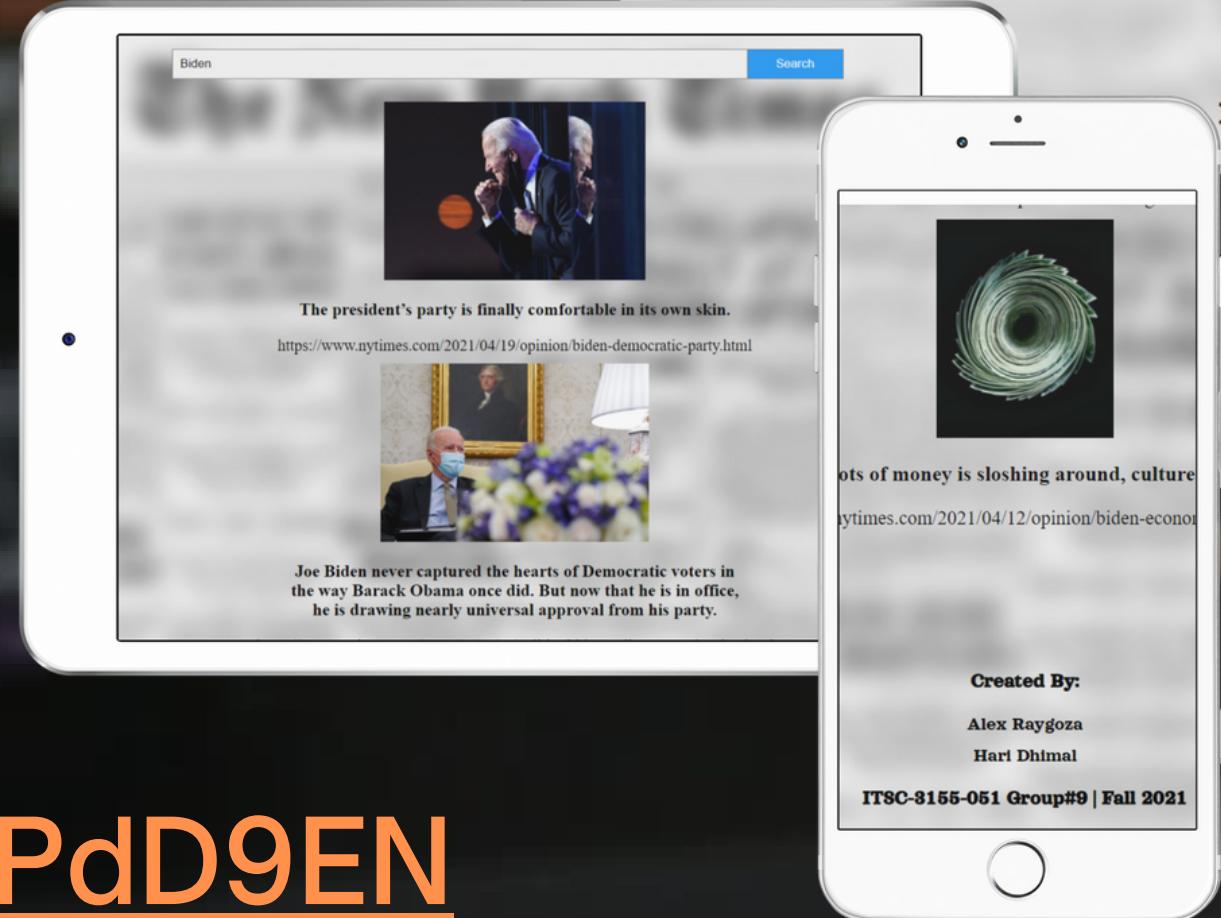
UI
<h1>

Main Page

</h1>



<https://bit.ly/2PdD9EN>



//08

UI

<h2>

World Page

</h2>



<https://bit.ly/3ayeqlZ>

Home World Arts U.S. Science

New York Times

Latest World Headlines



Russia Orders Partial Pullback From Ukraine Border Region

The Russian defense minister said troops would withdraw from the area by May 1, citing a training exercise there that had ended. But the plan includes leaving some armored vehicles in field command posts. Illustration

//09

```
UI  
<h3>  
US  
Page  
</h3>
```



<https://bit.ly/3nardjP>

A police officer in a light blue uniform stands in a plaza, looking off-camera. He is wearing a badge and a communication device on his shirt. The background shows a large, modern building with a glass facade and a geometric pattern.

//10

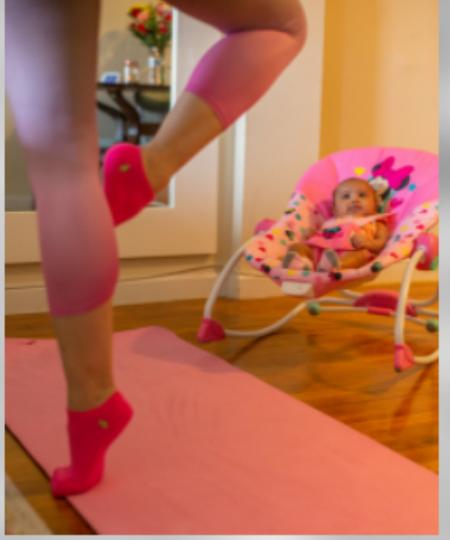
UI <h4> Art Page </h4>



<https://bit.ly/3av3p4W>

New York Times

Latest Art Headlines



‘I Wish I Got Pregnant in March!’ Inside the Dance Baby Boom.

Many dancers have taken advantage of a byproduct of the pandemic — time away from performing — to try out a new role: motherhood.

//11

UI
<h5>
Science
Page
</h5>



<https://bit.ly/32DCXSp>

NYT

Latest Science Headlines



What Slashing Emissions Could Mean for You

President Biden announced an ambitious goal at today's climate summit: a plan to cut the nation's greenhouse gas emissions in half.

//12

console.log(Tasks);

#Group.9

<i>Task</i>	<i>Assigned to:</i>	<i>Completed by:</i>
Create 1-2 user stories per team member	Alex & Hari	Alex & Hari
Create 1 system feature per team member	Alex & Hari	Alex & Hari
Based on system features and user stories created the modeling diagrams.	Hari	Hari
Build a website for our Book Review project.	Alex	Alex
Obtain An API key, test it and implement it to gather the required data.	Alex	Alex
Find the source to be used for the demo to be recording and test it.	Hari	Hari

project.getTime(Timeline)



GANTT CHART

Task	Start Date	Days to Complete
Proposal	04/10/21	3 Days
Planning Demo	04/14/21	5 Days
Demo Checklist	04/19/21	2 Days
First Demo	04/22/21	4 Days
Presentation	04/27/21	10 Days
Final Delivery	05/09/21	2 Days

<p>
Collaboration
</p>

We split the work into website building, coding, technology implementation and assigned individual task segments following a sprint chart covering the amount of work needed to be completed by each team member with specific deadlines. We used the agile methodology framework to implement each section of the project.

\$ajax({ Group participant Attestation});

Alex Raygoza

I Alex Raygoza contributed and reviewed this document.

Hari Dhimal

I Hari Dhimal contributed and reviewed this document.

\$ git clone

GitHub Information

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3155 051
Spring 2021

<https://github.com/hdhimal2020/Final-Project-Spring-2021>



HEX CODE #1B1B1B

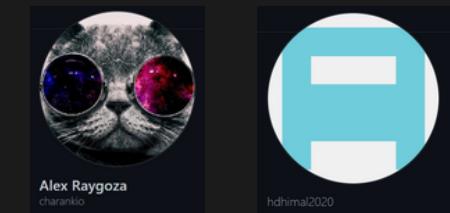
CMYK 0, 0, 0, 89



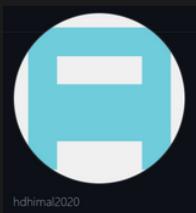
HEX CODE #FFFFFF

CMYK 0, 0, 0, 0

RGB 255, 255, 255



Alex Raygoza
charankio



hdhimal2020

```
alert("Technology  
Used ");
```

During this project following resources were used

Teacher Assistants Mentoring

CCI Tutoring Center
stackoverflow website

w3schools website

HTML

CSS

JAVASCRIPT

JQUERY

Code

```
$.trim($('Applications').val() )
```

Software Used

Postman - for testing APIs, by sending requests to the web server and getting the response back.

GitHub - Keeping our all files for the project to share among team member, TAs and Professor.

GitBash - A command line software to interact with GitHub.

Visual Studio Code - IDE used HTML, CSS, and JS for communicating with GitHub.

Discord - Communication amongst the team included a TA.

Google Docs - For creating files and project assignments.

FileZilla - Used for the server to run our webpage live.

YouTube - For presentation

Canva - Used for the presentation.

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success: Conclusion & Future Scope ()

Successfully, we developed a website that allows the user to search for articles within the New York Times database. Users will be able to use a search box and type a keyword for the desired article they are looking for then the system will search in the New York Times database through an article search API.

Currently, our website is desktop-friendly. Our future scope is to develop our webpage with a more mobile-friendly interface. We also would like to add an interactive dashboard where the user can select information to see like movie reviews, weather, a list of the top New York Times bestseller books, among other sets of data.

`<a href= 'For questions or
comments'> Contact Us `

Thank You!



Scan for Web page, or click below:

<https://webpages.uncc.edu/araygoza/>
or
[https://webpages.uncc.edu/hdhimal/Final-
Project-Spring-2021/](https://webpages.uncc.edu/hdhimal/Final-Project-Spring-2021/)

//19

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`<form>
Contact
Information
</form>`

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