

UNIVERSIDAD DE LAS FUERZAS ARMADAS ESPE
UNIDAD EDUCATIVA A DISTANCIA



ACTIVIDAD DE APRENDIZAJE 3
DESARROLLO DE APLICACIONES
WEB

Grupo #4

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https://docs.google.com/document/d/1gga_M1EBy9N7cper8NnX3byLW3Kwu7wRPg8sfdwkKEM/edit?usp=sharing

CONTENIDO DE GOOGLE DOC

Buscador

```
<template>
  <nav class="navbar">
    <div class="navbar-container">
      <h1 class="navbar-title">Buscador</h1>
      <form class="search-form" @submit.prevent="search">
        <input class="search-input" v-model="searchTerm" type="text" placeholder="Buscar..." />
        <button class="search-button" type="submit">
          <svg xmlns="http://www.w3.org/2000/svg" viewBox="0 0 24 24">
            <path
              d="M21.707 20.293l-4.413-4.414c1.31-1.595 2.106-3.618 2.106-5.879 0-4.962-4.038-9-9-9-4.038-9-9-9 9-9 9c2.261 0 4.284-.796 5.879-2.106l4.414 4.413c.391.391 1.023.391 1.414 0 .391-.391 1.023 0 1.414z" />
            </svg>
          </button>
        </form>
      </div>
    </nav>
  </template>

<script>
export default {
  data() {
    return {
      searchTerm: "",
      isLoading: false,
      articles: []
    };
  },
  methods: {
    search() {
      this.isLoading = true;
      // Simulación de búsqueda con un retardo de 2 segundos
      setTimeout(() => {
        this.isLoading = false;
        this.$emit("search", this.searchTerm);

        // Desplazarse hacia la parte superior después de la búsqueda
        window.scrollTo({
          top: 0,
          behavior: "smooth"
        });
      }, 2000);
    },
    getArticleURL(articleId) {
      return `https://journals.plos.org/plosone/article?id=${encodeURIComponent(articleId)}`;
    }
  }
};
</script>
<style>
.navbar {
  padding: 20px;
}

.navbar-container {
  display: flex;
  align-items: center;
  justify-content: center;
}

.navbar-title {
  font-size: 24px;
  font-weight: bold;
  color: #555;
  margin-right: 20px;
}

.search-form {
  display: flex;
  align-items: center;
}

.search-input {
  margin-right: 10px;
  padding: 8px 12px;
  border: 1px solid #ddd;
  border-radius: 20px;
  font-size: 16px;
  outline: none;
}

.search-button {
  display: flex;
  align-items: center;
  justify-content: center;
  padding: 8px;
  background-color: #fff;
  border: none;
  border-radius: 50%;
  cursor: pointer;
  box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);
}

.search-button svg {
  width: 20px;
  height: 20px;
  fill: #555;
}
</style>
```

Vista donde se muestra el buscador

```
<template>
  <div class="py-6">
    <div class="">
      <div class="flex justify-center">
        <SearchForm @search="performSearch" />
      </div>
      <div class="mt-4 flex justify-center" v-if="isLoading">Cargando información...</div>
      <div v-else>
        <div class="flex justify-center" v-if="articles.length === 0 && !isLoading">
          <p>No hay información para mostrar...</p>
        </div>
        <div v-else>
          <div class="results-container">
            <table class="table">
              <thead>
                <tr>
                  <th>ID</th>
                  <th>Title</th>
                  <th>Journal</th>
                  <th>ISSN</th>
                  <th>Publication Date</th>
                  <th>Article Type</th>
                  <th>Author</th>
                  <th>Score</th>
                </tr>
              </thead>
              <tbody>
                <tr v-for="article in articles" :key="article.id">
                  <td>{{ article.id }}</td>
                  <td
                    <a class="text-title" :href="getArticleURL(article.id)" target="_blank">{{
                      article.title_display }}</a>
                  </td>
                  <td>{{ article.journal }}</td>
                  <td>{{ article.issn }}</td>
                  <td>{{ article.publication_date }}</td>
                  <td>{{ article.article_type }}</td>
                  <td>{{ truncateAuthors(article.author_display) }}</td>
                  <td>{{ article.score }}</td>
                </tr>
              </tbody>
            </table>
          </div>
        </div>
      </div>
    </template>

<style>
.results-container {
  padding: 20px;
}

.table {
  width: 100%;
  border-collapse: collapse;
}

.table th,
.table td {
  padding: 5px;
  text-align: left;
  border-bottom: 1px solid #ddd;
}

.table th {
  background-color: #f2f2f2;
}

.text-title {
  color: #000080; font-weight: bold;
}
</style>

<style>
.results-container {
  padding: 20px;
}
</style>

<script>
import SearchForm from '@components/SearchForm.vue';

export default {
  name: 'HomeView',
  components: {
    SearchForm
  },
  data() {
    return {
      articles: [],
      isLoading: false
    };
  },
  methods: {
    performSearch(searchTerm) {
      this.isLoading = true;
      this.articles = [];

      const url = `https://api.plos.org/search?q=title:${encodeURIComponent(
        searchTerm
      )}`;

      fetch(url)
        .then(response => response.json())
        .then(data => {
          // Eliminar el primer elemento del array de resultados
          if (Array.isArray(data)) {
            data.shift();
          }

          this.articles = data.response.docs;
          this.isLoading = false;
        })
        .catch(error => {
          console.error('Error fetching articles:', error);
          this.isLoading = false;
        });
    },
    getArticleURL(articleId) {
      return `https://journals.plos.org/plosone/article?id=${encodeURIComponent(articleId)}`;
    },
    truncateAuthors(authors) {
      const maxLength = 10; // Maximum length for the authors
      let truncatedAuthors = authors.slice(0, maxLength);

      if (authors.length > maxLength) {
        truncatedAuthors.push('...'); // Add ellipsis if there are more authors
      }

      return truncatedAuthors.join(', ');
    }
  }
};
</script>
```

Card para mostrar la información de la API

```
<template>
  <div class="container">
    <div class="information-container">
      <div class="text-center"><strong>Información de la solicitud</strong></div>
      <div v-if="isLoading" class="spinner"></div>
      <div v-else>
        <ul>
          <li><strong>Archivos aceptados:</strong> {{ filesAccepted }}</li>
          <li><strong>Idioma:</strong> {{ language }}</li>
          <li><strong>Host remoto:</strong> {{ remoteHost }}</li>
          <li><strong>Dirección IP:</strong> {{ ipAddress }}</li>
          <li><strong>Nombre del navegador:</strong> {{ browserName }}</li>
          <li><strong>Sistema operativo:</strong> {{ operatingSystem }}</li>
        </ul>
        <div class="text-center">
          <button class="btn" @click="goToHomePage">Volver al inicio</button>
        </div>
      </div>
    </div>
  </template>

<script>
export default {
  name: "InformationView",
  data() {
    return {
      filesAccepted: "",
      language: "",
      remoteHost: "",
      ipAddress: "",
      browserName: "",
      operatingSystem: "",
      isLoading: true
    };
  },
  created() {
    this.fetchInformation();
  },
  methods: {
    fetchInformation() {
      fetch("https://httpbin.org/get")
        .then(response => response.json())
        .then(data => {
          const headers = data.headers;
          this.filesAccepted = headers["Accept"];
          this.language = headers["Accept-Language"];
          this.remoteHost = headers["Host"];
          this.ipAddress = data.origin;
          this.browserName = headers["User-Agent"].split(" ")[0] + " ";
          this.operatingSystem = headers["Sec-Ch-Ua-Platform"];
          this.isLoading = false;
        })
        .catch(error => {
          console.error("Error al obtener la información de la solicitud:", error);
          this.isLoading = false;
        });
    },
    goToHomePage() {
      this.$router.push("/");
    }
  }
};
</script>

<style>
.container {
  display: flex;
  justify-content: center;
  align-items: center;
  min-height: 100vh;
  background-color: #f5f5f5;
}

.information-container {
  max-width: 600px;
  padding: 20px;
  background-color: #ffffff;
  border-radius: 8px;
  box-shadow: 0 7px 4px rgba(0, 0, 0, 0.1);
}

ul {
  list-style-type: none;
  padding: 0;
  margin: 0;
}

li {
  margin-bottom: 10px;
}

strong {
  font-weight: bold;
}

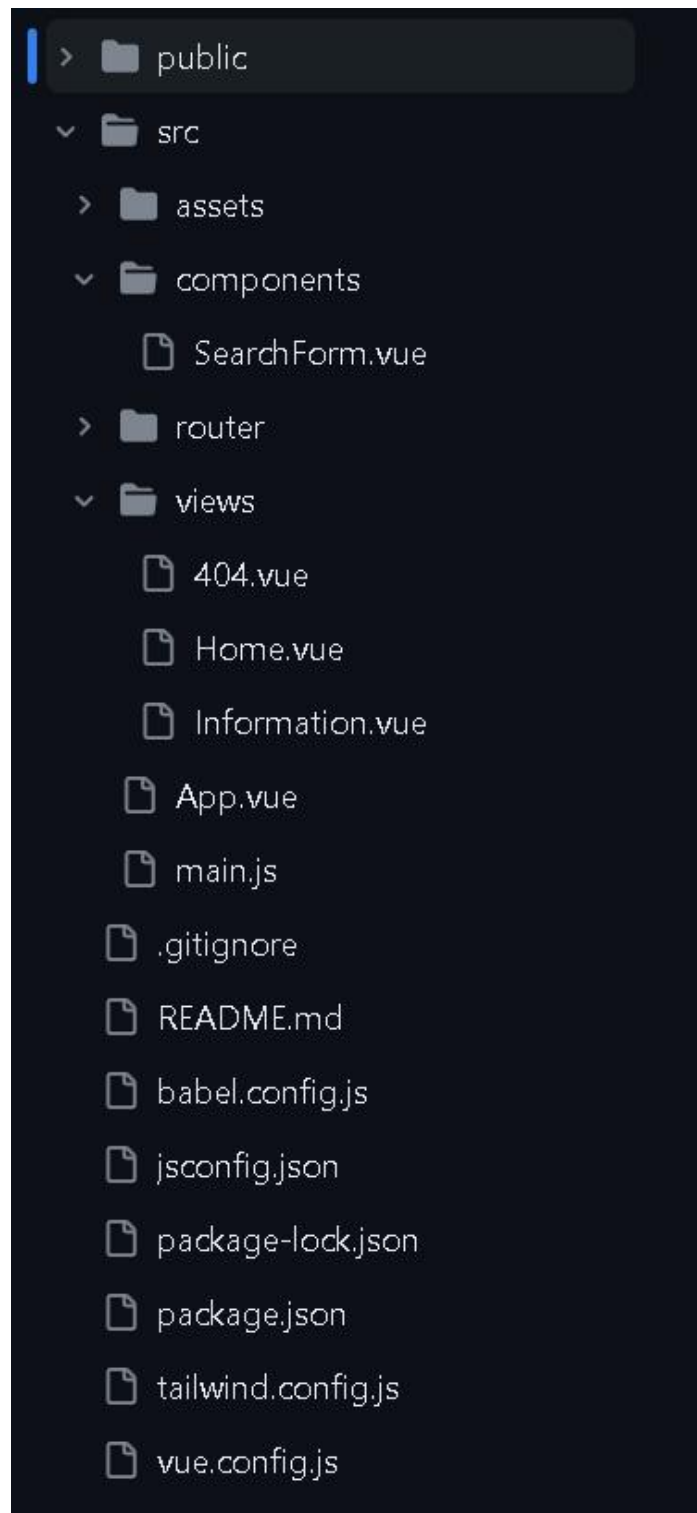
.spinner {
  border: 4px solid #f3f3f3;
  border-top: 4px solid #3498db;
  border-radius: 50%;
  width: 40px;
  height: 40px;
  animation: spin 1s linear infinite;
  margin: 20px auto;
}

@keyframes spin {
  0% { transform: rotate(0deg); }
  100% { transform: rotate(360deg); }
}

.btn {
  background-color: #3498db;
  color: white;
  border: none;
  padding: 10px 20px;
  border-radius: 4px;
  cursor: pointer;
}

.btn:hover {
  background-color: #2176bd;
}
</style>
```

Estructura del código



Arranque en modo de desarrollo (Pruebas)

```
C:\Windows\system32\cmd.exe
DONE Compiled successfully in 15476ms 22:32:36 ^

App running at:
- Local: http://localhost:8080/
- Network: http://192.168.0.101:8080/

Note that the development build is not optimized.
To create a production build, run npm run build.
```

Buscador <input type="text" value="github"/>							
ID	Title	Journal	ISSN	Publication Date	Article Type	Author	Score
10.1371/journal.pcbi.1004668	A Quick Introduction to Version Control with Git and GitHub	PLOS Computational Biology	1553-7358	2016-01-19T00:00:00Z	Education	John D. Blischak, Emily R. Davenport, Greg Wilson	13.413944
10.1371/journal.pone.0205898	A large-scale analysis of bioinformatics code on GitHub	PLOS ONE	1932-6203	2018-10-31T00:00:00Z	Research Article	Pamela H. Russell, Rachel L. Johnson, Shreyas Ananthan, Benjamin Harnke, Nichole E. Carlson	13.413944
10.1371/journal.pcbi.1004947	Ten Simple Rules for Taking Advantage of Git and GitHub	PLOS Computational Biology	1553-7358	2016-07-14T00:00:00Z	Editorial	Yasset Perez-Riverol, Laurent Gatto, Rui Wang, Timo Sachsenberg, Julian Uszkoreit, Felipe da Veiga Leprevost, Christian Fufezan, Tobias Ternent, Stephen J. Eglén, Daniel S. Katz, ...	12.854228
10.1371/journal.pone.0215059	Status, identity, and language: A study of issue discussions in GitHub	PLOS ONE	1932-6203	2019-06-14T00:00:00Z	Research Article	Jingxian Liao, Guowei Yang, David Kavalier, Vladimir Filkov, Prem Devanbu	12.854228
10.1371/journal.pcbi.1007142	Correction: Ten Simple Rules for Taking Advantage of Git and	PLOS Computational	1553-7358	2019-06-14T00:00:00Z	Correction	The PLOS Computational Biology Staff	12.339351

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A Quick Introduction to Version Control with Git and GitHub

John D. Blischak, Emily R. Davenport, Greg Wilson

Published: January 19, 2016 • <https://doi.org/10.1371/journal.pcbi.1004668>

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A large-scale analysis of bioinformatics code on GitHub

Pamela H. Russell, Rachel L. Johnson, Shreyas Ananthan, Benjamin Hamke, Nichole E. Carlson

Published: October 31, 2018 • <https://doi.org/10.1371/journal.pone.0205898>

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Subject Areas

Bioinformatics

Computer software

Abstract

In recent years, the explosion of genomic data and bioinformatic tools has been accompanied by a growing conversation around reproducibility of results and usability of software. However, the actual state of the body of bioinformatics software remains largely unknown. The purpose of this paper is to investigate the state of source code in the bioinformatics community, specifically looking at relationships between code properties, development activity, developer communities, and software impact. To investigate these issues, we curated a list of 1,720 bioinformatics repositories on GitHub through their mention in peer-reviewed bioinformatics articles. Additionally, we included 23 high-profile repositories identified by their popularity in an online bioinformatics forum. We analyzed repository metadata, source code, development activity, and

Expanding a syndication.twitter.com

Información de la solicitud

Archivos aceptados: */*

Idioma: es,es-ES;q=0.9,en;q=0.8,en-GB;q=0.7,en-US;q=0.6

Host remoto: httpbin.org

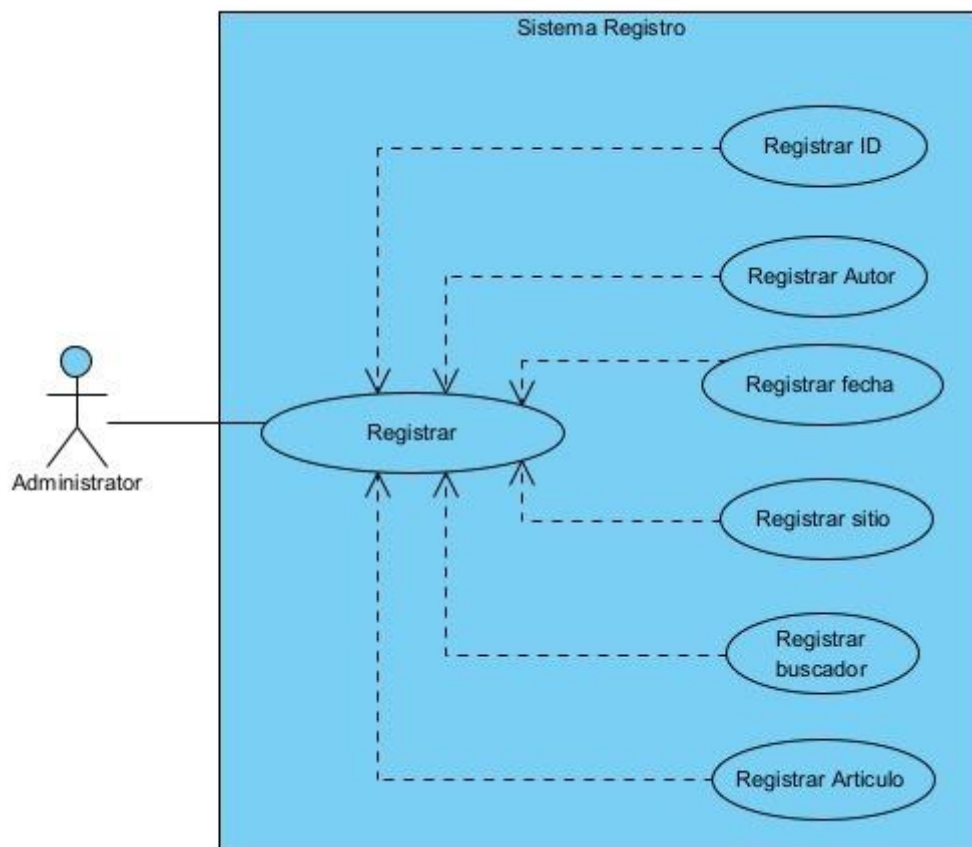
Dirección IP: 181.199.44.4

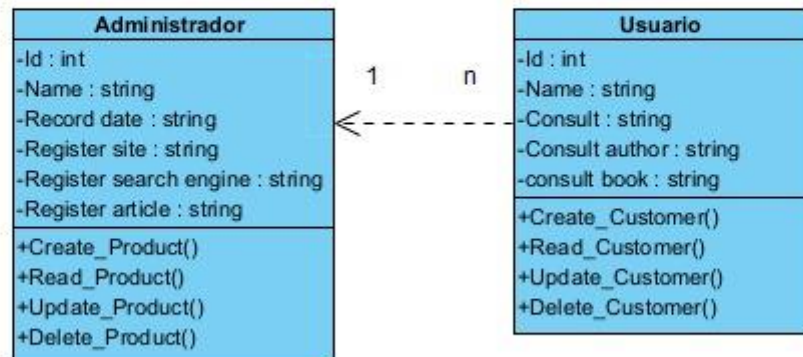
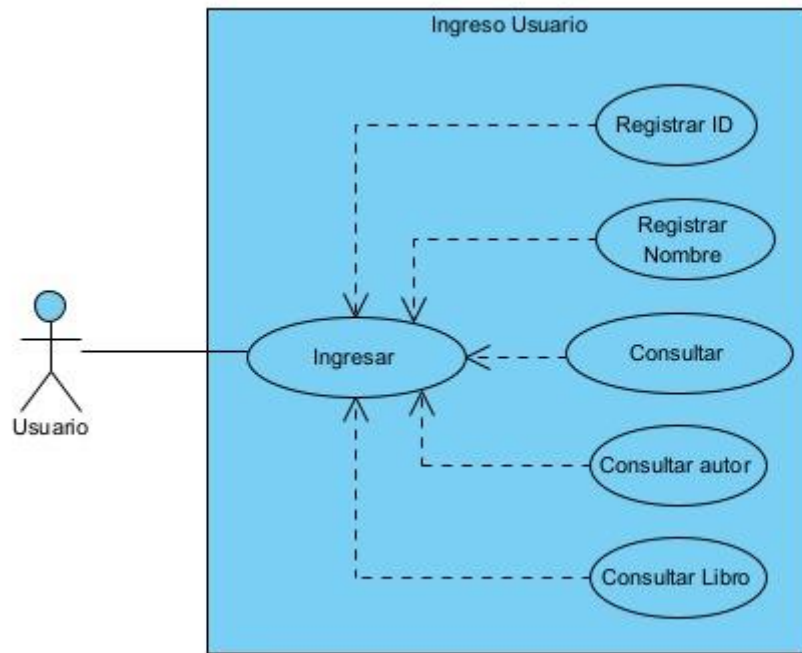
Nombre del navegador: Mozilla/5.0 (Windows NT 10.0; Win64; x64)

Sistema operativo: "Windows"

Volver al inicio

Diseño de proyecto (UML)





Diseño de las paginas

