SDGHub is a collaboration platform designed to connect organizations, businesses, and individuals working towards the United Nations Sustainable Development Goals (SDGs). The platform facilitates partnerships, project discovery, and resource sharing to drive sustainable impact. Using HTML, CSS and advanced JavaScript for the frontend and Django for the backend, SDGHub provides seamless user authentication, real-time project tracking, and a dynamic dashboard for managing collaborations. The findings of this project highlight the potential of digital platforms in fostering cross-sector partnerships and accelerating progress toward sustainability goals.

The Sustainable Development Goals (SDGs) set by the United Nations require multi-stakeholder collaboration to achieve meaningful progress. SDGHub serves as a digital ecosystem where NGOs, businesses, and individuals can discover, support, and manage sustainable projects efficiently. SDGHub serves as a digital ecosystem where NGOs, businesses, and individuals can discover, support, and manage sustainable projects efficiently. It provides a structured platform that facilitates networking, knowledge-sharing, and resource mobilization to maximize impact. The platform is designed to make project collaboration seamless by integrating key features such as project tracking, partnership management, funding tools, and real-time data analytics.

**User Guide: Partnership for the Goals (Goal 17) Page**

**1. Overview of the Page**

The **"Partnership for the Goals"** page is dedicated to **Goal 17** of the **United Nations Sustainable Development Goals (SDGs)**. It highlights the importance of **global cooperation** in achieving sustainability through financial support, technology sharing, capacity-building, and policy alignment.

**Key Features of the Page:**

* **Informational Content:** Explains the role of partnerships in addressing issues like deforestation, ocean protection, renewable energy, and climate finance.
* **Interactive Design:** Uses animations and transitions for smooth navigation.
* **Visual Elements:** Includes a **video background** and an **interactive slider** displaying sustainability initiatives.
* **External Resources:** Provides links to **global organizations** supporting sustainability efforts.

**2. Navigation and Linked Pages**

The page includes several navigation links that allow users to explore different sections of the platform:

**Internal Links:**

1. **SDG Hub** – A central page covering all **Sustainable Development Goals (SDGs)**.
2. **Join Us** – A page where users can **become partners** in sustainability initiatives.
3. **Explore** – A section to browse through **various projects** and initiatives.
4. **Sign Up** – The **user registration** page for signing up and participating in activities.
5. **Explore Our Projects** – Another direct link to the **project exploration** section.

**External Resources:**

The page provides links to key **international organizations** working towards sustainable development:

* **Green Climate Fund** – Focuses on climate finance.
* **Global Environment Facility (GEF)** – Supports environmental sustainability projects.
* **International Renewable Energy Agency (IRENA)** – Promotes the use of renewable energy.
* **UN-REDD Programme** – Works to reduce deforestation and forest degradation.
* **Glasgow Financial Alliance for Net Zero (GFANZ)** – Supports the transition to a net-zero economy.

**3. How to Use the Page**

* **Explore the Content:** Read about **Goal 17** and how partnerships contribute to sustainable development.
* **Interact with the Slider:** View different **sustainability targets** and the organizations involved.
* **Use the Navigation Links:**
  + Visit the **SDG Hub** to learn about other **sustainability goals**.
  + Sign up or **join as a partner** if you want to contribute.
  + Browse **projects** to see real-world applications.
* **Access External Resources:** Click on the external links to **learn more about global sustainability efforts**.

**Join Us Page - User Guide**

**Overview**

The **Join Us** page allows individuals, NGOs, and businesses to partner with **SDGHub** to contribute to sustainable development goals. It provides information on partnership benefits, available options, and a form to apply.

**Main Sections**

* **Why Partner?** – Explains the benefits of joining SDGHub.
* **Partnership Options** – Lists different ways to contribute, such as volunteering, sponsoring projects, or submitting initiatives.
* **Join Now** – A form to apply as a partner.

**Linked Pages**

* **SDGHub Homepage**
* **Explore** – Learn more about SDG initiatives.
* **Sign Up** – Register for an account.

**Explore Page User Guide**

**Overview**

The "Explore" page serves as a hub for users to discover various topics, categories, or items available on the platform.

Highlights trending or recommended items based on user preferences and platform trends.

**User Guide: Register Page**

**Overview**

The **Register Page** allows users to create an account on the SDG Hub platform by entering personal details like their name, username, email, and password.

**Page Sections**

**1. Navigation Bar**

Located at the top of the page, the navigation bar provides access to key sections:

* **SDG Hub Logo**: Clickable, redirects to the homepage.
* **Join Us**: Redirects to the **Partner** page for collaborations.
* **Explore**: Leads to the **Explore** section for discovering resources.
* **Sign Up**: The current page for user registration.

**2. Registration Form**

The central part of the page consists of a registration form with the following fields:

* **First Name**: Required text input.
* **Last Name**: Required text input.
* **Username**: Required unique identifier.
* **Email**: Required valid email address.
* **Password**: Required for account security.

A submit button ("Register") is provided to submit the form.

**3. Error & Success Messages**

* If registration fails, an error message (in red) appears.
* If successful, a confirmation message (in blue) appears.

**4. Login Option**

At the bottom of the form, a **"Login"** link is provided for users who already have an account.

**Actions Users Can Perform**

* Enter details and submit the form to create an account.
* Navigate to the login page if they already have an account.
* Access other platform features via the navigation bar.

**User Guide: Login Page**

**Overview**

The **Login Page** allows existing users to log into their accounts on the SDG Hub platform by entering their username and password.

**Page Sections**

**1. Navigation Bar**

Located at the top, the navigation bar provides access to key sections:

* **SDG Hub Logo**: Clickable, redirects to the homepage.
* **Join Us**: Redirects to the **Partner** page for collaborations.
* **Explore**: Leads to the **Explore** section for discovering resources.
* **Sign Up**: Navigates to the registration page for new users.

**2. Login Form**

The central part of the page consists of a login form with the following fields:

* **Username**: Required text input for user identification.
* **Password**: Required password input for security.

A submit button ("Login") is provided to authenticate the user.

**3. Error & Success Messages**

* If login fails, an error message (in red) appears.
* If successful, the user is redirected to their dashboard.

**4. Additional Options**

* **Signup Link**: If the user doesn't have an account, they can click **"Signup"** to register.
* **Forgot Password?**: If the user forgets their password, they can click **"Reset Password"** to recover it.

**Actions Users Can Perform**

* Enter login credentials and submit the form to access their account.
* Navigate to the signup page to create an account if they don’t have one.
* Use the **forgot password** option to reset their password.
* Access other platform features via the navigation bar.

**User Guide: Forgot Password Page**

**Overview**

The **Forgot Password** page allows users to reset their password by entering their username. If the username exists in the system, the password reset process is initiated.

**Page Sections**

**1. Navigation Bar**

The top navigation bar provides easy access to important sections:

* **SDG Hub Logo**: Clickable, redirects to the homepage.
* **Join Us**: Redirects to the **Partner** page for collaborations.
* **Explore**: Leads to the **Explore** section for discovering resources.
* **Sign Up**: Navigates to the registration page for new users.

**2. Password Reset Form**

The main section of the page contains a form where users can:

* **Enter their username** in the provided input field.
* Click the **"Reset Password"** button to initiate the password recovery process.

**3. Error & Success Messages**

* If the entered username does not exist, an error message (in red) appears.
* If successful, a confirmation message (in blue) is displayed, informing the user about the next steps.

**4. Additional Options**

* **Signup Link**: Users without an account can click **"Signup"** to create a new account.
* **Login Option**: If the user remembers their password, they can click **"Login"** to return to the login page.

**Actions Users Can Perform**

* Enter their **username** and submit the form to request a password reset.
* Sign up for a new account if they don’t have one.
* Navigate back to the login page if they remember their password.
* Access other platform features using the navigation bar.

**User Guide: Reset Password Page**

**Overview**

The **Reset Password** page allows users to set a new password after verifying their identity. Users must enter a new password and confirm it before submitting the form.

**Page Sections**

**1. Navigation Bar**

The navigation bar includes:

* **SDG Hub Logo**: Clickable, redirects to the homepage.
* **Join Us**: Leads to the **Partner** page.
* **Explore**: Provides access to platform resources.
* **Sign Up**: Redirects to the registration page.

**2. Reset Password Form**

The form consists of:

* **Password Field**: Users enter their new password.
* **Confirm Password Field**: Users re-enter the password for confirmation.
* **Submit Button**: Confirms the password reset.

**3. Error & Success Messages**

* If there are issues (e.g., passwords don’t match), an error message (in red) appears.
* If successful, a confirmation message (in blue) is displayed.

**4. Additional Option**

* **Login Option**: Users can return to the login page if they remember their password.

**Actions Users Can Perform**

* Enter a **new password** and confirm it.
* Submit the form to reset the password.
* Navigate back to the **login page** if needed.

**User Guide: Dashboard Page**

**Overview**

The **Dashboard Page** provides an overview of the user's activities on the SDG Hub platform. It displays user-specific data, including projects, funding details, and invitations for collaboration. Users can navigate to different sections using the menu and interact with project-related information.

**Page Sections**

**1. Navigation Bar**

The navigation bar contains:

* **SDG Hub Logo**: Clickable, redirects to the homepage.
* **Profile Icon**: Allows users to access additional settings and options.
* **Dropdown Menu**: Provides links to collaboration, funding, personal information, profile, and sign-out options.

**2. Profile Dropdown Menu**

Clicking the **Profile Icon** opens a dropdown with the following options:

* **Collab**: Redirects to collaboration opportunities.
* **Funds**: Provides access to funding-related details.
* **Personal Info**: Leads to the user’s personal settings.
* **Profile**: Opens the user’s dashboard.
* **Sign Out**: Logs the user out of the platform.

**3. Welcome Section**

This section welcomes the user by displaying their **username** and a **background image**.

**4. Statistics Cards**

Users can view key statistics:

* **Total Projects**: Number of projects the user is involved in.
* **Total Funds Raised**: Amount of funds the user has raised.
* **Tokens Earned**: Tokens accumulated through activities.

**5. Invitations Section**

Displays collaboration invitations from other users. Each invitation includes:

* **Username** of the inviter.
* **Accept or Decline options** to respond to the invite.
* Upon selection, the invitation disappears from the list.

**6. Projects Section**

A list of the user’s projects is shown here. Each project card contains:

* **Project Title**
* **SDG Goal**: The sustainable development goal the project aligns with.
* **Description**: Brief details about the project.
* **Collaborators**: Other members working on the project.
* **Funding Target**: The financial goal for the project.
* **Funding Received**: Amount of funds secured so far.
* If no projects exist, a message stating "No projects found" is displayed.

**Interactive Features**

* **Dropdown Menu Toggle**: Clicking the profile icon opens/closes the dropdown.
* **Statistics Animation**: Numbers for projects, funds, and tokens animate from 0 to their actual values.
* **Invitation Handling**: Selecting accept or decline removes the invitation from the list.

**Actions Users Can Perform**

* View personal **statistics and achievements**.
* Accept or decline **collaboration invitations**.
* Browse through **ongoing projects**.
* Navigate to different sections via the dropdown menu.

**User Guide for the Collaboration Page**

**Overview:** The Collaboration Page of the SDGHub platform is designed to help users initiate, promote, and find collaborators for sustainable development projects aligned with the UN Sustainable Development Goals (SDGs). This guide will walk you through the key features and functionalities of the page.

**1. Navigation Menu**

At the top of the page, a navigation bar provides quick access to:

* **SDGHub Logo & Home:** Clicking the "SDGHub" logo directs you to the homepage.
* **Dashboard:** Navigate to your personal dashboard.
* **Profile Icon:** A profile icon that may be linked to user settings or account information.

**2. Hero Section**

* A background video enhances the page’s appeal.
* A headline: "Collaborate for a Sustainable Future."
* A short description encouraging users to work together to achieve sustainability goals.

**3. SDG Initiative Submission Form**

Users can submit their project details to seek collaborators and funding. The form includes:

**A. Project Title**

* Enter a descriptive title for your initiative.
* Required field.

**B. SDG Goal Selection**

* A dropdown list allows users to select one of the 17 UN SDGs.
* Once selected, a preview section displays an icon and text for the chosen goal.

**C. Project Description**

* A textarea where users describe their project and its impact.
* A character counter displays the number of characters used (max 500).

**D. Collaborators**

* Users can enter names of individuals or organizations they wish to collaborate with.

**E. Funding Target**

* Enter a numeric funding goal in USD.
* A slider allows users to set a funding target between $1,000 and $1,000,000.

**F. Form Actions**

* **Submit Initiative:** Submit the project details.
* **Reset Form:** Clears all input fields.

**4. Side Panel**

The right-hand section of the page provides additional information and inspiration:

**A. Why Collaborate?**

* Explains the benefits of working together for sustainability.

**B. Success Stories**

* Highlights past successful SDG projects.
* Each story includes:
  + SDG Goal Badge
  + Project title
  + Short description
  + "Read More" link for additional details.

**User Guide for the Fundraising Page**

**Overview**

The Fundraising Page allows users to browse and support various sustainable projects financially. Users can select a project, enter a donation amount, and proceed with payment using different methods.

**Navigation**

* **Logo & Home Navigation:** Clicking on "SDG Hub" in the top navigation redirects users to the main SDG goals page.
* **Dashboard:** Access your dashboard by clicking the "Dashboard" link in the navigation bar.
* **Profile & Settings:** Click on the profile icon to reveal options for collaboration, funds, personal info, and profile settings.
* **Sign Out:** Available in the dropdown menu for logging out of the system.

**Project Selection**

1. **Browse Available Projects**
   * Projects are displayed in a grid layout.
   * Each project card contains:
     + Project title
     + Project description
     + Funding progress bar
     + Amount raised vs. goal amount
     + A "Support This Project" button
   * If no projects are available, a message appears stating "No projects available."
2. **Selecting a Project**
   * Click the "Support This Project" button on the desired project card.
   * The selected project's name appears in the donation form.

**Donation Process**

1. **Enter Donation Details**
   * Enter the amount you wish to donate (minimum Rs. 10, increments of Rs. 5).
   * Provide your full name and phone number.
2. **Choose Payment Method**
   * Available options:
     + Credit Card
     + PayPal
     + Cryptocurrency
   * Click on the preferred payment method to select it.
3. **Submit Donation**
   * Click the "Donate Now" button to proceed.
   * The form is submitted to the backend for processing.

**Additional Features**

* **Dropdown Menu:**
  + Clicking the profile icon toggles a dropdown menu with additional options.
  + Clicking outside the menu closes it automatically.

**User Guide for Personal Info Page**

**Overview**

The Personal info page allows users to update their personal information, including Date of Birth, Bio, City, and Country. It features a responsive navigation bar, a profile dropdown menu, and a background video for visual appeal.

**Navigation**

* **SDG Hub Logo**: Click on it to navigate to the main goals page.
* **Profile Icon**: Click to open a dropdown menu containing options:
  + Collab
  + Funds
  + Personal Info (current page)
  + Profile
  + Sign Out

**Profile Dropdown Menu**

* Clicking on the profile icon will open a dropdown menu.
* Clicking outside the dropdown or on the inner profile icon will close the dropdown.

**Settings Form**

**Fields Available:**

* **Date of Birth**: Select a date from the calendar input.
* **Bio**: Enter a short description about yourself.
* **City**: Input your city name.
* **Country**: Input your country name.
* **Save Changes Button**: Saves the entered details.

**Form Submission Validation:**

* At least one field must be filled before submitting.
* If valid, the form is submitted, and a success alert is displayed.
* If no fields are filled, an alert prompts the user to enter information.