

## 1st case Case Downloadable Repository: Repo Download:

1. Paste the Github URL of the repository into the "Download repo" text field.
2. Enter the name of the new repository in the "Name new repo" text field.
3. Click on the "Download repo" button.

## File Comparison:

1. Select the repository by name from the dropdown menu or enter the name in the "Choose repo" text field.
  2. Click on the "Choose repo" button.
  3. Select the commit hash from the dropdown menu or enter it in the "Select commit name/hash" text field.
  4. Click on the "Select commit" button.
  5. Select the file name from the dropdown menu or enter it in the "Select file" text field.
- Three left-aligned buttons are provided, each granting the following functionalities:

1. Show the complete contents of pre-patch and post-patch versions of a file.  
([Show pre-patch and post-patch files completely](#) button)
2. Show deleted and newly inserted lines in separate text fields, with neighboring lines.  
([Show pre-patch and post-patch files' changed areas](#) button)
3. Show only deleted and newly inserted lines in separate text fields.  
([Show pre-patch and post-patch files' changed lines](#) button)

## Generation of a CVE Entry:

1. Select the repository by name from the dropdown menu or enter the name in the "Choose repo" text field.
  2. Click on the "Choose repo" button.
- Select the commit hash from the dropdown menu or enter it in the "Select commit name/hash" text field.
3. Enter the CVE-ID in the "CVE-ID" text field. Only digits are allowed, and there must be a "-" between them. Anything else will be rejected.
- Click on the "Download CVE package" button.

The screenshot displays the 'Dataset Creator' web application interface. It features a top navigation bar with the title 'Dataset Creator'. The main content area is divided into several sections. On the left, there are input fields for 'File directory', 'Download repo', and 'Commit name/hash', each with a corresponding button ('Open file', 'Fetch info online', 'Pull repo', and 'Select commit'). In the center, there are input fields for 'Owner name(online)', 'Repo name(online)', 'Commit hash(online)', and 'Github token(online)', with a 'Save token' button. On the right, there are input fields for 'Choose repo', 'Name new repo', and 'CVE ID', with buttons for 'Choose repo', 'Clone repo', 'Download CVE package', and 'Download CVE package(online)'. Below these input fields, there are two large text areas labeled 'Pre-patch file' and 'Post-patch file', each containing the text 'B1ab1a'. Underneath these text areas, there are three rows of buttons: 'Show pre-patch and post-patch files completely', 'Show pre-patch and post-patch files' changed areas', and 'Show pre-patch and post-patch files' changed lines', each with an '(online)' version. At the bottom, there are two text areas labeled 'Bug description' and 'Patch description', and a 'Quit program' button.

## **2nd Case Non-Downloadable Repository:**

### **File Comparison:**

1. Enter the Github user's name in the "Owner name(online)" text field.
2. Enter the name of the repository belonging to the Github user in the "Repo name(online)" text field.
3. Enter the commit hash in the "Commit hash(online)" text field.  
Click on the "Fetch info" button.
4. Three right-aligned buttons are provided, each granting the following functionalities:
  1. Show the complete contents of pre-patch and post-patch versions of a file.  
( 'Show pre-patch and post-patch files completely(online)' button)
  2. Show deleted and newly inserted lines in separate text fields, with neighboring lines.  
( 'Show pre-patch and post-patch files' changed areas(online)' button)
  3. Show only deleted and newly inserted lines in separate text fields.  
( 'Show pre-patch and post-patch files' changed lines(online)' button)

### **Generation of a CVE Entry:**

1. Enter the Github user's name in the "Owner name(online)" text field.
2. Enter the name of the repository belonging to the Github user in the "Repo name(online)" text field.
3. Enter the commit hash in the "Commit hash(online)" text field.
4. Enter the CVE-ID in the "CVE-ID" text field. Only digits are allowed, and there must be a "-" between them. Anything else will be rejected.
5. Click on the "Download CVE package(online)" button.