TRAINING TR-102 DAY 8 REPORT

20 June, 2024

Netlify is a cloud platform that offers hosting and serverless backend services for web applications and static websites. It provides features like continuous deployment, CDN distribution, and integration with Git workflows.

1. **Setting Up a Project on Netlify:**
   - Creation of a Netlify account and linking it with a Git repository (e.g., GitHub, GitLab).
   - Walkthrough of the deployment process using Netlify's web interface or CLI.
2. **Deployment Strategies:**
   - **Automatic Deployments:** Triggered by commits to a linked repository.
   - **Manual Deployments:** Triggered via the Netlify dashboard or CLI commands.
3. **Custom Domain Integration:**
   - Configuring a custom domain name for the deployed site on Netlify.
   - Managing DNS settings and SSL certificates through Netlify's interface.
4. **Additional Features:**
   - **Forms Handling:** Utilizing Netlify Forms for collecting and processing form submissions.
   - **Serverless Functions:** Implementation of serverless functions for dynamic backend functionalities.
5. **Monitoring and Analytics:**
   - Overview of analytics tools and monitoring capabilities provided by Netlify.

DETAILED EXPLORATION OF NVDA SCREEN READER

NVDA (Non Visual Desktop Access)

NVDA is a free, open-source screen reader for Microsoft Windows, providing access to computer applications and the web for visually impaired users.

Key Points Covered:

1. **Installation and Setup:**
   - Downloading and installing NVDA on a Windows machine.
   - Configuration options for speech and braille output.
2. **Basic Navigation and Interaction:**
   - Navigating through applications and web pages using keyboard shortcuts.
   - Interacting with different elements such as links, forms, and headings.
3. **Web Accessibility Testing:**
   - Using NVDA to evaluate the accessibility of web pages:
     - Testing keyboard accessibility.
     - Checking semantic markup and ARIA (Accessible Rich Internet Applications) roles.
     - Verifying alternative text for images and labels for form controls.
4. **Advanced Features:**
   - Customizing NVDA settings based on user preferences and specific needs.

o   Integrating with other assistive technologies or devices (e.g., braille displays).
5. **Challenges and Best Practices:**
   o   Identifying common accessibility issues and best practices for addressing them.
   o   Strategies for developers and designers to enhance web accessibility.

CONCLUSION

Day 8 of training provided practical experience in deploying websites using Netlify's platform and an in-depth exploration of NVDA screen reader functionalities. Participants gained valuable insights into cloud hosting, continuous deployment workflows, and accessibility testing using assistive technologies.