# Vulnerable Dash Application Overview

## Introduction

This document provides an overview of the Vulnerable Dash Application, a multi-page web application intentionally designed with security flaws for DevSecOps training. The application includes pages with features susceptible to SQL Injection, Cross-Site Scripting (XSS), and insecure file handling.

## Architecture

The application is built using Python's Dash framework. It consists of the following pages:

1. Home Page: Provides navigation links to other pages.  
2. SQL Injection Page: Demonstrates a login system vulnerable to SQL injection attacks.  
3. XSS Page: Allows users to submit comments, making it prone to XSS.  
4. File Upload Page: Accepts file uploads without secure validation.

## Purpose

The purpose of this application is to provide a training ground for conducting Static Application Security Testing (SAST), Software Composition Analysis (SCA), and Dynamic Application Security Testing (DAST). It enables learners to identify, exploit, and remediate security vulnerabilities.