



ZOMATO RESTAURANT RATINGS



13/08/2024

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Architecture Design



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13-aug-2024	0.1	Ehetasham-Ul-Haq



1. INTRODUCTION

1.1 INTRODUCTION

Any software needs an architectural design to represent the design of the software. IEEE defines architectural design as “the process of defining a collection of hardware and software components and their interfaces to establish the framework for the development of a computer system.” The software that is built for computer-based systems can exhibit one of these many architectures.

Each style will describe a system category that consists of

- A set of components (eg: a database, computational modules) that will perform a function required by the system.
- The set of connectors will help in coordination, communication, and cooperation between the components.
- Conditions that how components can be integrated to form the system.
- Semantic models help the designer to understand the overall properties of the system

1.2 WHAT IS SCOPE

Architecture Design Document (ADD) is an architectural design process that follows a step-by-step refinement process. The process can be used for designing data structures, required software architecture, source code, and ultimately, performance algorithms. Overall, the

Architecture Design

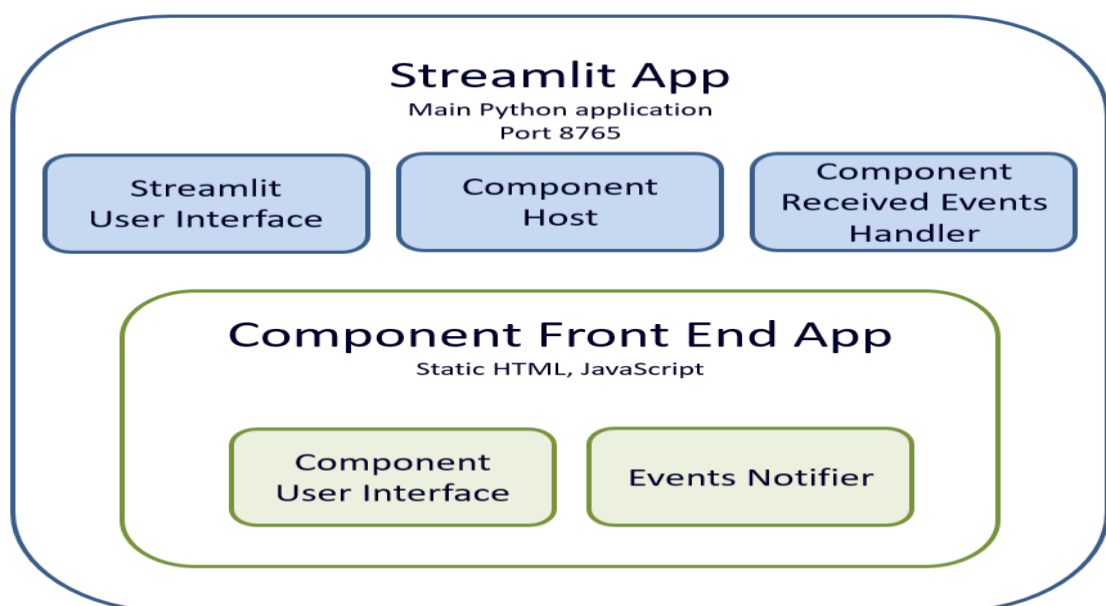


design principles may be defined during requirement analysis and then refined during architectural design work.

2. ARCHITECTURE

2.1 Streamlit ARCHITECTURE

Streamlit is a modern web framework developed in Python. It has gained a lot of attraction in recent times. Streamlit is easy to use, and its documentation is well-written and easy to follow along. Streamlit offers all the standard features of an API building tool but it is not limited to this. It comes with a lot of flexibility such as Dashboard creation support which, most of the users, are not aware of.





2. DEPLOYMENT

2.1 STREAMLIT DEPLOYMENT

The deployment process lets you clone content from one stage in the pipeline to another, typically from development to test, and from test to production. During deployment, Streamlit copies the content from the current stage, into the target one. The connections between the copied items are kept during the copy process. Streamlit also applies the configured deployment rules to the updated content in the target stage. Deploying content may take a while, depending on the number of items being deployed. During this time, you can navigate to other pages in the Streamlit portal, but you cannot use the content in the target stage.