

Readme

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Introduction

System modeling is the process of developing abstract models of a system, with each model presenting a different view or perspective of that system. System modeling has generally come to mean representing the system using some kind of graphical notation, which is now almost always based on notations in the Unified Modeling Language (UML).

Models are used during the requirements engineering process to help derive the requirements for a system, during the design process to describe the system to engineers implementing the system and after implementation to document the system's structure and operation. Below we provide a brief description of each model type and the files that we have generated.

Context Model Diagram for Real Office

This Diagram is used to model different subsystems associated with the Real Office System.

Activity Model Diagram for Real Office

Activity Model specifies the actions or activities that are gone through in the system for a particular process associated with the system. In the corresponding file the activity model has been specified for the process "Add Event". The Diagram has been represented using Unified Modeling Language.

Sequential Diagram for Real Office

This diagram is used to model user interaction in Real Office system. This also gives an understanding of how the data flows through the implemented software system.

Class and Associations in Real Office System

This diagram denotes the relationships between the entities of the software system implemented. This is used to understand the database structure easily and extract an informative ER diagram.

Behavioural Model of Real Office

This diagram specifies the dynamic behaviour of the system for different events(actions) in the system.

ER diagram

An Entity Relationship diagram modelling the Implementation of the database for the Real Office software system

Exceptions Handling Report

A description of some exceptions associated with the Real Office system and possible solutions to handle those situations/exceptions efficiently.

Reporting System: Queries

This is a minimal description of queries that would be supported by the software system and a few examples.