

1. Student Accommodation Service (SAS)

1.1. Phase 1

1.2. Phase 2

1.3. Phase 3

1.4. Phase 4

1.1.1. Analysis (Introduction)

- 1.1.1.1. Analyze Scenario
- 1.1.1.2. Scenario Requirements
- 1.1.1.3. Solution
- 1.1.1.4. User Requirements
- 1.1.1.5. System Requirements
- 1.1.1.6. Include into Report

1.1.2. ERD / EERD

- 1.1.2.1. ERD
 - 1.1.2.1.1. Entities
 - 1.1.2.1.2. Attributes
 - 1.1.2.1.3. Relationships
 - 1.1.2.1.4. Cardinality
 - 1.1.2.1.5. Participation
- 1.1.2.2. EERD
 - 1.1.2.2.1. Super Classes / Sub Classes
 - 1.1.2.2.2. Specialization / Generalization
 - 1.1.2.2.3. Constraints
- 1.1.2.3. Include into Report

1.1.3. Assumptions

- 1.1.3.1. Gather Assumptions
- 1.1.3.2. Analyze Assumptions
- 1.1.3.3. Finalize Assumptions
- 1.1.3.4. Include into Report

1.1.4. Relational Mapping

- 1.1.4.1. Entites
- 1.1.4.2. Attributes
 - 1.1.4.2.1. Primary Key
- 1.1.4.3. Relationships
 - 1.1.4.4.1. Foreign Key
- 1.1.4.4. Cardinality
- 1.1.4.4. Include into Report

1.1.5. Data Normalization

- 1.1.5.1. First Normal Form
- 1.1.5.2. Second Normal Form
- 1.1.5.3. Third Normal Form
- 1.1.5.4. Include into Report

1.1.6. Data Dictionary

- 1.1.6.1. Gather Attribute Details
- 1.1.6.1. Analyze Attribute Details
- 1.1.6.2. Finalize Attribute Details
- 1.1.6.3. Organize Attribute Details
- 1.1.6.4. Include into Report

1.2.1. Creating Database and Tables (DDL)

- 1.2.1.1. Gather Data Validation (Constraints)
- 1.2.1.2. Analyze Data Validation (Constraints)
- 1.2.1.3. Finalize Data Validation (Constraints)
- 1.2.1.4. Creating Database SQL Query
- 1.2.1.5. Creating Table SQL Queries
- 1.2.1.6. Include into Report

1.2.2. Database Diagram

- 1.2.2.1. Design Databae Design
- 1.2.2.2. Include into Report

1.2.3. Inserting Data into Tables (DML)

- 1.2.3.1. Gather Data
- 1.2.3.2. Analyze Data
- 1.2.3.3. Finalize Data
- 1.2.3.4. Inserting Data SQL Queries
- 1.2.3.5. Include into Report

1.3.1. Creating Triggers

- 1.3.1.1. Gather Trigger Requirements
- 1.3.1.2. Analyze Trigger Requirements
- 1.3.1.3. Finalize Trigger Requirements
- 1.3.1.4. Creating Triggers SQL Queries
- 1.3.1.5. Include into Report

1.3.2. Creating User Defined Functions

- 1.3.2.1. Gather User Defined Function Requirements
- 1.3.2.2. Analyze User Defined Function Requirements
- 1.3.2.3. Finalize User Defined Function Requirements
- 1.3.2.4. Creating User Defined Function SQL Queries
- 1.3.2.5. Include into Report

1.3.3. Creating Views

- 1.3.3.1. Gather View Requirements
- 1.3.3.2. Analyze View Requirements
- 1.3.3.3. Finalize View Requirements
- 1.3.3.4. Creating View SQL Quaries
- 1.3.3.5. Include into Report

1.3.4. Creating Procedures

- 1.3.4.1. Gather Procedure Requirements
- 1.3.4.2. Analyze Procedure Requirements
- 1.3.4.3. Finalize Procedure Requirements
- 1.3.4.4. Creating Procedure SQL Quiries
- 1.3.4.5. Include into Report

1.4.1. Effectiveness of Solution

- 1.4.1.1. Features
- 1.4.1.2. Shortcomings
- 1.4.1.3. Solutions for Shortcomings
- 1.4.1.4. Include into Report

1.4.2. Future Implementations

- 1.4.2.1. Gather Possible Future Improvements
- 1.4.2.2. Analyze Possible Future Improvements
- 1.4.2.3. Finalize Possible Future Improvements
- 1.4.2.4. DDL, DML, Triggers, User Defined Functions, Views, Procedures
- 1.4.2.5. Include into Report