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Requirement And Analysis

Software Requirement Specification

A software requirements specification (SRS) is a detailed description of a software system to be developed with its functional and non-functional requirements. The SRS is developed based the agreement between customer and contractors. It may include the use cases of how user is going to interact with software system.

The software requirement specification document consistent of all necessary requirements required for project development. To develop the software system, we should have clear understanding of software system. To achieve this, we need to continuous communication with costumers to gather all requirements.

Data Gathering

Data gathering is the process of gathering and measuring information on variables of interest, in an established systematic fashion that enables one to answer stated research questions, test, hypothesis, and evaluate outcomes. The data collection component of research is common to all fields of study including physical and social sciences, humanities, business etc.

Data gathering techniques used in the (Software Development Lifecycle) SDLC.

Hardware Requirement

Processor: 1.6GHz or Faster

Disk space: 4GB of Available Hard Disk

RAM: 2GB

Graphics-Capable Video Card

Display- Higher Resolution

Software Requirement

Operating System: Windows 10

Web Browser: Google Chrome, Mozzila FF 31

Data Base: Xampp, MySql

Programming language: HTML, CSS, PHP

Feasibility Study

Feasibility study is the foundation upon which your project plan resides. That’s because the feasibility analysis determines the viability of your project. This is done by analyzing technical, economic, legal, operational and time feasibility factors. So, for taking the feasibility analysis during the development of the project food delivery system we have studied on the following four major categories of feasibility study.

Operational feasibility: operational feasibility is the measure of how well a proposed system solves the problems and takes advantages of the opportunities identified during scope definition and how it satisfies the requirements identified in the requirements analysis phase of system.

Technical feasibility: A technical feasibility study assesses the details of how you intend to deliver a product or service to customers. Think materials, labour, transportation, where your business will be located, and the technology that will be necessary to bring all this together.

Schedule feasibility: Schedule Feasibility is defined as the probability of a project to be completed within its scheduled time limits, by a planned due date. If a project has a high probability to be completed on-time, then its schedule feasibility is appraised as high.

Economic Feasibility: The degree to which the economic advantages of something to be made, done, or achieved are greater than the economic costs.

System Design

Data Dictionary

A data dictionary, or metadata repository, as defined in the IBM Dictionary of computing is a “centralized repository of information about data such as meaning , relationship to other data, origin, usage and format”. Oracle defines it as a collection of table with metadata.

Table admin

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column | Type | Null | Default | Links to | Comments | Media(NIME)  Type |
| ID(Primary) | INT (11) | No |  |  |  |  |
| Admin Name | VARCHAR (45) | Yes | Null |  |  |  |
| User Name | VARCHAR (45) | Yes | Null |  |  |  |
| Mobile Number | Bigint(11) | Yes | Null |  |  |  |
| Email | VARCHAR(120) | Yes | Null |  |  |  |
| Password | VARCHAR(120) | Yes | Null |  |  |  |
| Admin REG  date | Time stamp | Yes | Current\_ time stamp() |  |  |  |

Indexes

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Keyword | Type | Unique | Packed | Column | Cardinality | Collection | Null | Comment |
| Primary | BTREE | Yes | No | ID | 0 | A | No |  |

Table category

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column | Type | Null | Default | Links to | Comments | Medioa(MIME)type |
| ID(Primary) | Int(5) | No |  |  |  |  |
| Category  Name | VARCHAR(120) | Yes | Null |  |  |  |
| Creation  Date | timestamp | Yes | Current \_time stamp() |  |  |  |

Indexes

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Key name | Type | Unique | Packed | column | Cardinality | Collation | Null | Comment |
| Primary | BTREE | Yes | No | ID | 8 | A | NO |  |

Table food

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column | Type | Null | Default | Links to | Comments | Media(NIME)  Type |
| ID(Primary) | Int(10) | No |  |  |  |  |
| Category Name | VARCHAR(120) | Yes | NULL |  |  |  |
| Item Name | VARCHAR(120) | Yes | NULL |  |  |  |
| Item Price | VARCHAR(120) | Yes | NULL |  |  |  |
| Item Des | VARCHAR(500) | Yes | NULL |  |  |  |
| Image | VARCHAR(120) | Yes | NULL |  |  |  |
| Item Qty | VARCHAR(120) | Yes | NULL |  |  |  |

Indexes

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Key name | Type | Unique | Packed | Column | Cardinality | Collation | Null | Comment |
| PRIMARY | BTREE | Yes | No | ID | 16 | A | No |  |

Table food tracking

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column | Type | Null | Default | Links to | Comments | Media(MIME)Type |
| ID(Primary) | Unit(10) | No |  |  |  |  |
| Order Id | Char(50) | Yes | NULL |  |  |  |
| remark | VARCHAR(200) | Yes | NULL |  |  |  |
| Status | Char(50) | Yes | NULL |  |  |  |
| Status Date | timestamp | Yes | Current\_ timestamp() |  |  |  |
| Order Cancelled By User | INT(1) | Yes | NULL |  |  |  |

Indexes

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Key name | Type | Unique | Packed | Column | Cardinality | Collation | Null | Comment |
| Primary | BTREE | Yes | No | ID | 8 | A | No |  |

Table order addresses

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column | Type | Null | Default | Links to | Comments | Media(MIME)type |
| ID(Primary) | IiNT (11) | No |  |  |  |  |
| User id | Char(100) | Yes | NULL |  |  |  |
| Order number | Char(100) | Yes | NULL |  |  |  |
| Flat no building no | VARCHAR (255) | Yes | NULL |  |  |  |
| Street Name | VARCHAR (255) | Yes | NULL |  |  |  |
| Area | VARCHAR (255) | Yes | NULL |  |  |  |
| Landmark | VARCHAR (255) | Yes | NULL |  |  |  |
| City | VARCHAR (255) | Yes | NULL |  |  |  |
| Order Time | timestamp | No | Current\_ time stamp() |  |  |  |
| Order Final Status | VARCHAR (255) | Yes | NULL |  |  |  |

Indexes

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Key name | Type | Unique | Packed | Column | Cardinality | Collation | Null | Comment |
| PRIMARY | BTREE | Yes | No | ID | 5 | A | No |  |
| User Id | BTREE | No | No | User Id | 5 | A | Yes |  |
| Order number | 5 | A | Yes |

Table orders

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column | Type | Null | Default | Links to | Comments | Media(MIME)type |
| ID(Primary) | INT(11) | No |  |  |  |  |
| User Id | Char(10) | Yes | NULL |  |  |  |
| Food Id | Char(10) | Yes | NULL |  |  |  |
| Is Order Placed | INT(11) | Yes | NULL |  |  |  |
| Order Number | Char(100) | Yes | NULL |  |  |  |

Indexes

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Key name | Type | Unique | Packed | Column | Cardinality | Collation | Null | Comment |
| Primary | BTREE | Yes | No | ID | 8 | A | No |  |

ER DIAGRAM

An entity-relationship model describes interrelated things of interest in a specific domain of knowledge. A basic ER model is composed of entity types and specifies relationships that can exist between entities.

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LEVEL 1 DFD

LEVEL 0 DFD (Context Level)

The context level data flow diagram (DFD) is describe the whole system. The o level DFD describe the all user module who operate the system. Below data flow diagram shows the two user can operate the system Admin and Member user.