

Data design

v1.0



Team 1  
dOCTOR-X

# RECORD OF CHANGE

#### \*A - Added M - Modified D – Deleted

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Effective Date | Changed Items | A\* M, D | Change Description | New Version |
| 21/3/2018 | All items | A+ | Dat was add all data design | v.10 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**TABLE OF CONTENTS**

1. [INTRODUCTION 5](#_TOC_250008)
   1. [Purpose 5](#_TOC_250007)
   2. [Definitions, Acronyms and Abbreviations 5](#_TOC_250006)
   3. [References 6](#_TOC_250005)
   4. [Overview 6](#_TOC_250004)
2. [DATABASE 7](#_TOC_250003)
   1. [ERDs 7](#_TOC_250002)
   2. [XXX table 8](#_TOC_250001)
3. FILE DESIGN 9

[3.1.1 XXX file 9](#_TOC_250000)

1. CODE DESIGN 11
   1. Customer Code 11
2. OTHER CONSIDERATIONS 12
3. APPENDIX 13
   1. Data format symbol 13

# INTRODUCTION

## Purpose

* *Design and show detail property of object*
* *Description action of object and will be database structure with two main object include : Patient and Doctor*
* *Document will application for Developer, tester , etc, …*
* *The table in database design will run with google fire base with our account*
* *The database will be use about 5000 people both doctor and patient, and will update before design next step*

## Definitions, Acronyms and Abbreviations

## In document, we don’t have use any Abbreviations

## References

#### List all the reference document such as: other document of the system, or the technical article,...

|  |  |
| --- | --- |
| **Document Number** | **Title** |
| #1212031 | Database Detail Design FPT |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## Overview

In this document, we show database design detail. In this we have two object, patient and doctor. With patient, after analyst we have this property like below. And with doctor is the same. Application use focus on location, so we have two point where we save location currently and point another we save mark of user . So we are very easy interactive each other.

1. **DATABASE**

## ERDs

Patient

Make a appoinment with Doctor & History

Use Real-time Database with Google Firebase

Waiting for Accept will be have Basic infor of Type.

ID Doctor

Specialist

Address

Type of Appointment

Status

Time

Note

Picture Description

Basic Profile

ID

Name

DOB

Address

Gender

Avatar

Specialist Interest  
Medical Record  
Localtion Current

Doctor

Make a appoinment with Patient & History

Disease’s name

Picture Description

Specialist

Basic Profile

ID Patient

Address

Infor

Status

Book time , book next time

Note

Review

Picture Description

ID

Name

DOB

Address

Gender

Work at

Working hour

List Patient

Rate

Doctor’s Code

Avatar

Location Current

Specialist

Time  
Rate  
Comment  
ID Patient

Waiting for Accept will be have Basic infor of Type.

Use Real-time Database with Google Firebase

<List of tables and brief description>

|  |  |  |
| --- | --- | --- |
| **No** | **Table Name** | **Description** |
|  | Patient | The table will save two main property :   * Basic Profile * Make appointment with doctor |
|  | Doctor | With doctor will save basic profile and link some theirs patient |
|  | Waiting accept | With user sign up with type is doctor. User with waiting for administrator accept with theirs information |
|  |  |  |

## Patient table

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Type** | **Length** | **Size** | **Null** | **Unique** | **P/F Key** | **Default** | **Description** |
| 01 | ID | String | 10 |  |  | x | P |  | Code of ID, add ID with name mail |
| 02 | Name | String | 10 |  | x |  | F |  | Name of user |
| 03 | DOB | Date time | 10 |  | x |  |  |  | Day of birth official of user |
| 04 | Address | String | 255 |  |  |  |  | Location Currently | More information about user, or currently user for management in future |
| 05 | Gender | String | 10 |  |  |  |  |  | Gender exactly of user |
| 06 | Avatar | String | Max Length |  | x |  |  |  | Doctor will know who are you. |
| 07 | Specialist Interest | Some text | 255 |  | x |  |  |  | Heathy tips will help you |
| 08 | Medical Record | Some text | Max length |  |  |  |  |  | For medical reminder |
| 09 | Location Current | String Number | Max length |  |  |  |  |  | Another people will know where are you for help |
| Make a appoinment with Doctor & History | | | | | | | | | |
| 10 | ID Doctor | String | 10 |  |  |  |  |  | Create relationship between doctor and patient |
| 11 | Specialist | String | 10 |  |  |  |  |  | Specialist of doctor |
| 12 | Address | String | 255 |  |  |  |  |  | Patient will doctor in where . |
| 13 | Type of Appointment | Int | 3 |  |  |  |  |  | We have 2 type :  Doctor move to patient  Patient move to doctor |
| 13 | Status | Int | 3 |  |  |  |  |  | Will check deal is finish , or not yet ? |
| 14 | Time | Date time | 30 |  |  |  |  |  | Appointment is finish ? |
| 15 | Note | String | Max length |  |  |  |  |  | We have information extension |
| 16 | Picture Description | String | Max length |  |  |  |  |  | Save image status of patient |

## Doctor table

## Waiting table

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Type** | **Length** | **Size** | **Null** | **Unique** | **P/F Key** | **Default** | **Description** |
| 01 | ID | String | 10 |  |  | x | P |  | Code of ID, add ID with name mail |
| 02 | Name | String | 10 |  | x |  | F |  | Name of user |
| 03 | DOB | Date time | 10 |  | x |  |  |  | Day of birth official of user |
| 04 | Address | String | 255 |  |  |  |  | Location Currently | More information about user, or currently user for management in future |
| 05 | Gender | String | 10 |  |  |  |  |  | Gender exactly of user |
| 06 | Avatar | String | Max Length |  | x |  |  |  | Doctor will know who are you. |
| 07 | Specialist | Some text | 255 |  | x |  |  |  | It very useful for patient |
| 08 | Work at | Some text | Max length |  |  |  |  |  | Hospital where doctor is working |
| 09 | Working hour | String Number | Max length |  |  |  |  |  | Time doctor can check for patient |
| 10 | List patient | Patient | Max length |  |  |  |  |  | Some patient who doctor is make appointment |
| 11 | Rate | Int | 5 |  |  |  |  |  | Patient can rating my doctor |
| 12 | Doctor’s Code | String | 30 |  |  |  |  |  | Code be provided by hospital |
| 13 | Avatar | String | Max length |  |  |  |  |  | Image about doctor |
| 14 | Location Current | String | Max length |  |  |  |  |  | If doctor moving , it will be update in here |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

1. **APPENDIX**
   1. ***Data format symbol***

#### Following symbols are used to describe format of data field in files as well as in tables.

|  |  |  |
| --- | --- | --- |
|  | **Symbol** | **Description** |
| # | Digit placeholder. |
| . | Decimal placeholder. |
| , | Thousands separator. |
| : | Time separator. |
| / | Date separator. |
| \ | Treat the next character in the mask string as a literal. This allows you to include the '#', '&', 'A', and '?' characters in the mask. This character is treated as a literal for masking purposes. |
| > | Convert all the characters that follow to uppercase. |
| < | Convert all the characters that follow to lowercase. |
| A | Alphanumeric character placeholder (entry required). For example: a – z, A – Z, or 0 – 9. |
| a | Alphanumeric character placeholder (entry optional). |
| 9 | Digit placeholder (entry optional). For example: 0 – 9. |
| 0 | Digit placeholder (entry required). For example: 0 – 9. |
| C | Character or space placeholder (entry optional). Valid values for this placeholder are ANSI characters in the following ranges: 32-126 and 128- 255. |
| & | Character placeholder (entry required). Valid values for this placeholder are ANSI characters in the following ranges: 32-126 and 128-255. |

|  |  |
| --- | --- |
| ? | Letter placeholder. For example: a – z or A – Z. |
| Literal | All other symbols are displayed as literals; that is, as themselves. bound in “” like “ABC” |