Maid Project

**HBB Solution**

Database Design

(MongoDB)

|  |  |  |  |
| --- | --- | --- | --- |
| **Version #** | **Implemented By** | **Revision Date** | **Reason** |
| 1 | Gia Vo | 21/4/2017 | Create document |

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# Introduction

* This document is created to describe clearly about database of Maid-Project.
* These data follow is designed in the NoSQL (MongoDB) form.

# Definition

|  |  |  |
| --- | --- | --- |
| # | Word | Definition |
| 1 | Unique | Existing as the only one or as the sole example; single; solitary in type or characteristics. |
| 2 | **ObjectId**, ref: ‘ ‘ | ObjectId: foreign key.  Ref: ‘ ‘ => ObjectId point to a **Primary key** in Ref **Table**. |
| 3 | Array | Object is tagged Array include many elements.  (**ex:** task (Array) = task[ ]) |

# Database Design

## Owner

* \_id: **String** (Unique)
* info
  + username: **String**
  + password: **String**
  + email: **String**
  + name: **String**
  + phone: **String**
  + image: **String**
  + address
    - name: **String**
    - coordinates
      * lat: **Number** (Double)
      * lng: **Number** (Double)
  + gender: **Number** (Integer)
* task (Array)
  + task: **ObjectId**, ref: ‘Task’
* wallet: **Number** (Double)
* auth
  + device\_token: **String**
* history
  + createAt: **Date**
  + updateAt: **Date**
* status: **Boolean**

## Maid

* \_id: **String** (Unique)
* info
  + username: **String**
  + password: **String**
  + email: **String**
  + name: **String**
  + phone: **String**
  + image: **String**
  + address
    - name: **String**
    - coordinates
      * lat: **Number** (Double)
      * lng: **Number** (Double)
  + gender: **Number** (Integer)
* task (Array)
  + task: **ObjectId**, ref: ‘Task’
* ability (Array)
  + work: **ObjectId**, ref: ‘Work’
* auth
  + device\_token: **String**
* history
  + createAt: **Date**
  + updateAt: **Date**
* status: **Boolean**

## Task

* \_id: **String** (Unique)
* info
  + title: **String**
  + package: **ObjectId**, ref: ‘Package’
  + work: **ObjectId**, ref: ‘Work’
  + description: **String**
  + price: **Number** (Double)
  + address
    - name: **String**
    - coordinates
      * lat: **Number** (Double)
      * lng: **Number** (Double)
* time
  + startAt: **Date**
  + endAt: **Date**
  + hour: **Number** (Integer)
  + tools: **Boolean**
* stakeholders
  + owner: **ObjectId**, ref: ‘Owner’
  + request (Array)
    - maid: **ObjectId**, ref: ‘Maid’
  + receive: **ObjectId**, ref: ‘Maid’
* process: **String**
* check
  + owner
    - checkin: **Date**
    - checkout: **Date**
    - maid
    - checkin: **Date**
    - checkout: **Date**
* history
  + createAt: **Date**
  + updateAt: **Date**
* status: **Boolean**

## Package

* \_id: **String** (Unique)
* name
  + en: **String**
  + vi: **String**
* status: **Boolean**
* history
  + createAt: **Date**
  + updateAt: **Date**

## Work

* \_id: **String** (Unique)
* name
  + en: **String**
  + vi: **String**
* status: **Boolean**
* history
  + createAt: **Date**
  + updateAt: **Date**

## Session

* \_id: **String** (Unique)
* auth
* token: **String** (Unique)
* owner: **ObjectId,** ref: ‘Owner’
* loginAt: **Date**
* status: **Boolean**