## 2.5.1

### 2.5.1.1 Vocabulary

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Type | Mandatory | Description |
| V\_id | Number | PK, Y | The primary key auto generated by the system |
| V\_hiragana | String | Y | Hiragana of vocabulary |
| V\_romaji | String | Y | Romaji of vocabulary |
| V\_specialized | String | N | Specialized Japanese |
| V\_status | Number | N | Status of vocabulary: 0 or 1  + 0: not approved  + 1: approved |

### 2.5.1.2 Meaning

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Type | Mandatory | Description |
| M\_id | Number | PK, Y | The primary key auto generated by the system |
| V\_id | Number | FK, Y | Number of vocabulary |
| M\_meaningvn | String | Y | Meaning of vocabulary |
| M\_category | String | Y | Category of vocabulary as noun, verd, adjective. |
| M\_kanji | String | N | Kanji of vocabulary |

### 2.5.1.3 VocabularySentence

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Type | Mandatory | Description |
| M\_id | Number | FK, Y | Number of Meaning |
| S\_id | Number | FK, Y | Number of vocabulary |

### 2.5.1.4 Sentence

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Type | Mandatory | Description |
| S\_id | Number | PK, Y | The primary key auto generated by the system |
| G\_id | Number | FK, Y | Number of Grammar |
| S\_hiragana | String | Y | Hiragana of sentence |
| S\_romaji | String | Y | Romaji of sentence. |
| S\_meaning | String | Y | Meaning of sentence in Vietnamese |
| S\_kanji | String | N | Kanji of sentence |

### 2.5.1.5 Grammar

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Type | Mandatory | Description |
| G\_id | Number | PK, Y | The primary key auto generated by the system |
| G\_hiragana | String | Y | Hiragana of Grammar |
| G\_romaji | String | Y | Romaji of Grammar |
| G\_level | String | Y | Level Grammar as N1, N2, N3, N4, N5 |
| G\_meaning | String | Y | Meaning of Grammar |
| G\_use | String | Y | Using of Grammar |
| G\_status | Number | N | Status of grammar: 0 or 1  + 0: not approved  + 1: approved |
| Reading\_id | String | FK, Y | The foreign key of ReadingDocument |

### 2.5.1.6 Video

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Type | Mandatory | Description |
| Vi\_id | Number | PK, Y | The primary key auto generated by the system |
| Vi\_title | String | Y | Title of Video |
| Vi\_link | String | Y | Link of Video |

### 2.5.1.7 Kanji

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Type | Mandatory | Description |
| K\_id | Number | PK, Y | The primary key auto generated by the system |
| K\_kanji | String | Y | Kanji |
| K\_hanviet | String | Y | “Âm hán việt” |
| K\_onyomi | String | Y |  |
| K\_kunyomi | String | N |  |
| K\_meaning | String | Y |  |
| K\_level | String | Y |  |
| K\_status | Number | N |  |
| Reading\_id | String | FK, Y | The foreign key of ReadingDocument |

### 2.5.1.8 Conversation

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Type | Mandatory | Description |
| C\_id | String | PK, Y | The primary key to identify conversations |
| C\_level | String | Y | Level of conversation as elementary, intermediate |
| C\_title | String | Y | Title of conversation |

### 2.5.1.9 ConversationContent

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Type | Mandatory | Description |
| Con\_id | Number | PK, Y | The primary key auto generated by the system |
| C\_id | String | Y | Foreign key |
| Con\_hiragana | String | Y | Hiragana of conversation |
| Con\_romaji | String | Y | Romaji of conversation |
| Con\_meaning | String | Y | Meaning of conversation |

### 2.5.1.10 User

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Type | Mandatory | Description |
| U\_id | Number | PK, Y | The primary key auto generated by the system |
| U\_username | String | Y | Username to login system |
| U\_password | String | Y | Password to login system |
| U\_role | Number | Y | Role of user as member, admin |
| U\_fullname | String | N | Fullname of user |
| U\_email | String | Y | Email of user |
| U\_registerdate | String | Y | Date which user register account |
| U\_status | Number | N | Status of user |
| U\_repass | String | N | Require re-new password when user forgot password |

### 2.5.1.11 Contact

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Type | Mandatory | Description |
| Contact\_id | Number | PK, Y | The primary key auto generated by the system |
| Contact\_email | String | Y | Email which user can use to contact admin |
| Contact\_content | String | Y | Content of contact |
| Contact\_type | String | Y | Type of contact as contribute opinion or Q & A |
| Contact\_status | Number | Y | Status of contact: 0 or 1  + 0: not reply  + 1: replied |

### 2.5.1.12 TrainingListening

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Type | Mandatory | Description |
| Lis\_id | String | PK, Y | The primary key to identify Training Listening |
| Lis\_level | String | Y | Level of Listening as N1, N2, N3, N4, N5 |

### 2.5.1.13 SourceFile

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Type | Mandatory | Description |
| Sourcefile\_id | String | PK, Y | The primary key to identify Sourcefile |
| Lis\_id | Number | FK,Y | Foreign key, id of TrainingListening |
| Sourcefile\_question | String | Y | Question of listening file |
| Sourcefile\_script | String | Y | Script of content file |
| Sourcefile\_meaning | String | Y | Meaning of content file |

### 2.5.1.14 ReadingDocument

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Type | Mandatory | Description |
| Reading\_id | String | PK, Y | The primary key to identify ReadingDocument |
| Reading\_title | String | Y | Title of Reading Document |
| Reading\_level | String | Y | Level of Reading Document as N1, N2, N3, N4, N5 |

### 2.5.1.15 ReadingVocabulary

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Type | Mandatory | Description |
| Readingvocabulary\_id | Number | PK, Y | The primary key auto generated by the system |
| Reading\_id | String | FK, Y | Foreign key, id of ReadingDocument |
| Readingvocabulary\_hiragana | String | Y | Hiragana of vocabulary |
| Readingvocabulary\_meaning | String | Y | Meaning of vocabulary |
| Readingvocabulary\_kanji | String | N | Kanji of vocabulary |

### 2.5.1.16 ReadingArticle

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Type | Mandatory | Description |
| Readingarticle\_id | Number | PK, Y | The primary key auto generated by the system |
| Reading\_id | String | FK, Y | Foreign key, id of ReadingDocument |
| Readingarticle\_content | String | Y | Content of Reading Article |
| Readingarticle\_question | String | Y | Question of Reading Article |
| Reading\_answer | String | N | Answer of Reading Article |

### 2.5.1.17 TrackingMark

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Type | Mandatory | Description |
| Tm\_id | Number | PK, Y | The primary key auto generated by the system |
| U\_id | Number | FK, Y | Foreign key, id of ReadingDocument |
| Test\_id | String | FK, Y | Foreign key, id of Test |
| Tm\_mark | Number | Y | Mark of Test |
| Tm\_date | String | Y | Date of doing test |

### 2.5.1.18 Test

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Type | Mandatory | Description |
| Test\_id | String | PK, Y | The primary key to identify tests |
| Test\_category | String | Y | Category of Test as Reading, Grammar, Kanji, Vocabulary |
| Test\_level | String | Y | Level of Test as N1, N2, N3, N4, N5 |
| Test\_content | String | Y | Content of Test |

### 2.5.1.19 Question

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Type | Mandatory | Description |
| Question\_id | Number | PK, Y | The primary key auto generated by the system |
| Test\_id | String | FK, Y | Foreign key, id of Test |
| Question\_content | String | Y | Content of question |

### 2.5.1.20 Answer

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute | Type | Mandatory | Description |
| Answer\_id | Number | PK, Y | The primary key auto generated by the system |
| Question\_id | Number | FK, Y | Foreign key, id of Question |
| Answer\_content | String | Y | Content of answer |
| Answer\_correct | Number | Y | Correct answer |