**Work - Database Schema**

2019 緯創培訓班 – 第一組

**Revision: 1.2.0**

**Change History**

|  |  |  |  |
| --- | --- | --- | --- |
| Rev. | Date Issued | Contributors | Description |
| 1.0.0 | 2019/09/15 | Tillie | File created |
| 1.1.0 | 2019/09/26 | Tillie | Add member, member\_job tables |
| 1.1.1 | 2019/09/26 | Tillie | Modify member table |
| 1.2.0 | 2019/09/27 | Tillie | Delete property, company\_property, hashtag, hashtag\_skill, hashtag\_property tables  Modify job, company table |

**Related Documents**

|  |  |  |  |
| --- | --- | --- | --- |
| No | Date Issued | Author | Document |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Terms, Acronyms, and Abbreviations**

|  |  |
| --- | --- |
| Term | Definition |
|  |  |

**Table of Contents**

1. Introduction 5

2. EER Diagram 6

3. Data Table Schema 7

3.1. region(地區) 7

3.2. company(公司) 8

~~3.3.~~ ~~property (產業類別)~~ 9

~~3.4.~~ ~~company\_property (公司產業)~~ 10

3.5. category(工作類別) 11

3.6. skill(技術) 12

3.7. job(職缺) 13

3.8. job\_category (職缺類別) 16

3.9. job\_skill (職缺技術) 21

~~3.10.~~ ~~hashtag(標籤類型)~~ 22

~~3.11.~~ ~~hashtag\_property (產業標籤)~~ 23

~~3.12.~~ ~~hashtag\_skill (技術標籤)~~ 24

3.13. member (會員) 25

3.14. member\_job (儲存工作) 26

# Introduction

# EER Diagram

( See the file with the same name, but a different extension name “.wmb”. Please use MySQL Workbench to open the file.)

# Data Table Schema

# region(地區)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Type | Value Definition | Constraint | Description |
| seq | INT(5) |  | PK, auto | 序號 |
| parent\_seq | INT(5) |  | FK, region.seq | 父結點 |
| region\_type | TINYINT(2) |  | Not null | 類型  0: 國家(country)  1: 州、縣市(city)  2: 區(district) |
| name | VARCHAR(256) |  |  | 名稱 |
| area\_code | VARCHAR(16) |  |  | 地區代碼 |
| status | TINYINT(2) |  | Default: 1 | 狀態  0: 刪除 (deleted)  1: 正常（enable）  2: 停用（disable） |

# company(公司)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Type | Value Definition | Constraint | Description |
| seq | INT(10) |  | PK, auto | 序號 |
| name | VARCHAR(256) |  |  | 公司名稱 |
| ~~region\_seq~~ | ~~INT(10)~~ |  | ~~FK,~~  ~~region.seq~~ | ~~公司地區~~ |
| status | TINYINT(2) |  | Default: 1 | 狀態  0: 刪除 (deleted)  1: 正常（enable）  2: 停用（disable） |
| update\_date | TIMESTAMP | UTC | Not null | 資料更新日期 |

# ~~property (產業類別)~~

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ~~Field Name~~ | ~~Type~~ | ~~Value Definition~~ | ~~Constraint~~ | ~~Description~~ |
| ~~seq~~ | ~~INT(10)~~ |  | ~~PK, auto~~ | ~~序號~~ |
| ~~parent\_seq~~ | ~~INT(10)~~ |  | ~~FK,~~  ~~property.seq~~ | ~~父結點~~ |
| ~~name~~ | ~~VARCHAR(256)~~ |  |  | ~~產業類別名稱~~ |
| ~~status~~ | ~~TINYINT(2)~~ |  | ~~Default: 1~~ | ~~狀態~~  ~~0: 刪除 (deleted)~~  ~~1: 正常（enable）~~  ~~2: 停用（disable）~~ |

~~備註:~~

1. ~~parent\_seq=null 為root node~~

# ~~company\_property (公司產業)~~

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ~~Field Name~~ | ~~Type~~ | ~~Value Definition~~ | ~~Constraint~~ | ~~Description~~ |
| ~~seq~~ | ~~INT(10)~~ |  | ~~PK, auto~~ | ~~序號~~ |
| ~~company\_seq~~ | ~~INT(10)~~ |  | ~~FK,~~  ~~Not null,~~  ~~company.seq~~ | ~~產業公司~~ |
| ~~property\_seq~~ | ~~INT(10)~~ |  | ~~FK,~~  ~~Not null,~~  ~~property.seq~~ | ~~產業類別~~ |

# category(工作類別)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Type | Value Definition | Constraint | Description |
| seq | INT(10) |  | PK, auto | 序號 |
| parent\_seq | INT(10) |  | FK,  category.seq | 父結點 |
| name | VARCHAR(256) |  |  | 類別名稱 |
| status | TINYINT(2) |  | Default: 1 | 狀態  0: 刪除 (deleted)  1: 正常（enable）  2: 停用（disable） |

備註:

1. parent\_seq=null 為root node

# skill(技術)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Type | Value Definition | Constraint | Description |
| seq | INT(10) |  | PK, atuo | 序號 |
| parent\_seq | INT(10) |  | FK,  skill.seq | 父結點 |
| name | VARCHAR(256) |  |  | 技術名稱 |
| status | TINYINT(2) |  | Default: 1 | 狀態  0: 刪除 (deleted)  1: 正常（enable）  2: 停用（disable） |

備註:

1. parent\_seq=null 為root node

# job(職缺)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Field Name | Type | Value Definition | Constraint | | Description |
| seq | INT(10) |  | PK, auto | | 序號 |
| name | VARCHAR(256) |  |  | | 職缺名稱 |
| ~~job\_date~~ | ~~TIMESTAMP~~ |  |  | | ~~職缺日期~~ |
| company\_seq | INT(10) |  | FK,  company.seq | | 職缺公司 |
| region\_seq | INT(10) |  | FK,  region.seq | | 職缺地區 |
| address | VARCHAR(256) |  | |  | 職缺地址 |
| salary\_height | INT(10) |  | | Default: 0 | 最高薪資 |
| salary\_low | INT(10) |  | | Default: 0 | 最低薪資 |
| job\_url | VARCHAR(3,072‬) |  |  | | 職缺連結 |
| experience | INT(4) |  | Default: 0 | | 年資 |
| status | TINYINT(2) |  | Default: 1 | | 狀態  0: 刪除 (deleted)  1: 正常（enable）  2: 停用（disable） |
| update\_date | TIMESTAMP | UTC | Not null | | 資料更新日期 |

備註:

1. 年資為0 時, 為不拘
2. 薪資最低與最高為0 時,為面議; 最低為0,最高不為0時,為最高值以下; 最低不為0,最高為0時,為最低值以上
3. 職缺地區限制為台北市或新北市的地區

# job\_category (職缺類別)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Type | Value Definition | Constraint | Description |
| seq | INT(10) |  | PK, auto | 序號 |
| job\_seq | INT(10) |  | FK,  Not null,  job.seq | 職缺 |
| category\_seq | INT(10) |  | FK,  Not null,  category.seq | 工作類別 |

# job\_skill (職缺技術)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Type | Value Definition | Constraint | Description |
| seq | INT(10) |  | PK, auto | 序號 |
| job\_seq | INT(10) |  | FK,  Not null,  job.seq | 職缺 |
| skill\_seq | INT(10) |  | FK,  Not null,  skill.seq | 使用技術 |

# ~~hashtag(標籤類型)~~

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ~~Field Name~~ | ~~Type~~ | ~~Value Definition~~ | ~~Constraint~~ | ~~Description~~ |
| ~~seq~~ | ~~INT(10)~~ |  | ~~PK, auto~~ | ~~序號~~ |
| ~~hashtag\_type~~ | ~~TINYINT(2)~~ |  | ~~Not null~~ | ~~0 : property (產業)~~  ~~1 : skill (技術)~~ |
| ~~name~~ | ~~VARCHAR(256)~~ |  |  | ~~標籤名稱~~ |
| ~~status~~ | ~~TINYINT(2)~~ |  | ~~Default: 1~~ | ~~狀態~~  ~~0: 刪除 (deleted)~~  ~~1: 正常（enable）~~  ~~2: 停用（disable）~~ |

# ~~hashtag\_property (產業標籤)~~

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ~~Field Name~~ | ~~Type~~ | ~~Value Definition~~ | ~~Constraint~~ | ~~Description~~ |
| ~~seq~~ | ~~INT(10)~~ |  | ~~PK, auto~~ | ~~序號~~ |
| ~~hashtag\_seq~~ | ~~INT(10)~~ |  | ~~FK,~~  ~~hashtag.seq~~ | ~~標籤類別~~ |
| ~~property\_seq~~ | ~~INT(10)~~ |  | ~~FK,~~  ~~property.seq~~ | ~~產業類別~~ |

# ~~hashtag\_skill (技術標籤)~~

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ~~Field Name~~ | ~~Type~~ | ~~Value Definition~~ | ~~Constraint~~ | ~~Description~~ |
| ~~seq~~ | ~~INT(10)~~ |  | ~~PK, auto~~ | ~~序號~~ |
| ~~hashtag\_seq~~ | ~~INT(10)~~ |  | ~~FK,~~  ~~hashtag.seq~~ | ~~標籤類別~~ |
| ~~skill\_seq~~ | ~~INT(10)~~ |  | ~~FK,~~  ~~skill.seq~~ | ~~技術類別~~ |

# member (會員)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Type | Value Definition | Constraint | Description |
| seq | INT(10) |  | PK, auto | 序號 |
| name | VARCHAR(256) |  |  | 會員名稱 |
| phone | VARCHAR(20) |  |  | 會員註冊電話 |

# member\_job (儲存工作)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Type | Value Definition | Constraint | Description |
| seq | INT(10) |  | PK, auto | 序號 |
| member\_seq | INT(10) |  | FK,  member.seq | 會員 |
| job\_seq | INT(10) |  | FK,  job.seq | 職缺工作 |