INVENTORY\_TYPE

ID

typeDesc

INVENTORY

ID

invCode

invDesc

invSize

invListPrice

typeID

POSITION

ID

posDesc

LABOR

ID

labType

labPrice

labCost

APPROVE

ID

apprState

STAFF

ID

staFName

staLName

staPhone

posID

MATERIAL

ID

bidID

invID

matQnty

matExtPrice

BID\_LABOR

ID

bidID

labID

labHours

labExtPrice

CLIENT

ID

cliName

cliCpFName

cliCpLName

cliCpPosition

cliAddress

cliCity

cliPostcode

cliPhone

provID

PROJECT

ID

cliID

projSite

projEstBeginDate

projEstComplDate

BID

ID

bidDate

projID

bidAmount

apprID

BID\_STAFF

bidID

staffID

PROVINCE

ID

provName

provAbbr

|  |  |  |
| --- | --- | --- |
| Property | Type/Validation | Format/Notes |
| **CLIENT** | | |
| ID | Int | *Identity PK* |
| cliName | Required string, max length 50 |  |
| cliCpFName | Required string, max length 20 |  |
| cliCpLName | Required string, max length 20 |  |
| cliCpPosition | Required string, max length 30 |  |
| cliAddress | Required string, max length 100 |  |
| cliCity | Required string, max length 30 |  |
| cliPostcode | Required string, max length 7 | Include 1 space |
| cliPhone | Required string, exactly 10 digits |  |
| provID | Required int | *Foreign Key* |
| **PROVINCE** | | |
| ID | Int | *Identity PK* |
| provName | Required string, max length 30 |  |
| provAbbr | Required string, exactly 2 characters |  |
| **PROJECT** | | |
| ID | Int | *Identity PK* |
| cliID | Required int | *Foreign Key* |
| projSite | Required string, max length 50 |  |
| projEstBeginDate | Required DateTime |  |
| projEstComplDate | Required DateTime |  |
| **BID** | | |
| ID | Int | *Identity PK* |
| bidDate | Required DateTime |  |
| StaffID | Required int | *Foreign Key\*1* |
| projID | Required int | *Foreign Key* |
| bidAmount | Required decimal |  |
| apprID | Required int | *Foreign Key* |
| **APPROVE** | | |
| ID | Int | *Identity PK* |
| apprState | Required string, max length 20 | Approved/Disapproved/  pending approval |
| **STAFF** | | |
| ID | Int | *Identity PK* |
| staFName | Required string, max length 20 |  |
| staLName | Required string, max length 20 |  |
| staPhone | Required string, exactly 10 digits |  |
| posID | Required int | *Foreign Key* |
| **POSITION** | | |
| ID | Int | *Identity PK* |
| posDesc | Required string, max length 30 |  |
| **MATERIAL** | | |
| ID | Int | *Identity PK* |
| bidID | Required int | *Foreign Key* |
| invID | Required int | *Foreign Key* |
| matQnty | Required int |  |
| matExtPrice | Required decimal |  |
| **INVENTORY** | | |
| ID | Int | *Identity PK* |
| invCode | Required string, max length 10 | Unique |
| invDesc | Required string, max length 30 |  |
| invSize | Required string, max length 10 | \*2 |
| invListPrice | Required decimal |  |
| typeID | Required int | *Foreign Key* |
| **INVENTORY\_TYPE** | | |
| ID | Int | *Identity PK* |
| typeDesc | Required string, max length 10 | Plant/Material/Pottery |
| **BID\_LABOR** | | |
| ID | Int | *Identity PK* |
| bidID | Required int | *Foreign Key* |
| labID | Required int | *Foreign Key* |
| labHours | Required int |  |
| labExtPrice | Required decimal |  |
| **LABOR** | | |
| ID | Int | *Identity PK* |
| labType | Required string, max length 50 |  |
| labPrice | Required decimal |  |
| labCost | Required decimal |  |

\*1: Maybe 1 bid can have 2 or more staff? Or is it simplified to a 1:M relationship by prof for easier handling? (cf. initial client meeting slides p. 8)

\*2: In material type, there is not size field, but there is unit field. Should we put the data in unit field into this column?