<img src="media/image1.jpg" style="width:2.03125in;height:1.52083in"  
alt="BDlogo" />  
  
\*\*<span class="smallcaps">DATA CATALOGUE</span>\*\*  
  
\*\*<span class="smallcaps">FOR</span>\*\*  
  
\*\*<span class="smallcaps">COMBINED SYSTEM DEVELOPMENT SERVICES</span>\*\*  
  
\*\*<span class="smallcaps">FOR</span>\*\*  
  
\*\*<span class="smallcaps">LICENSING SELF-CERTIFICATION PORTAL</span>\*\*  
  
\*\*<span class="smallcaps">OF</span>\*\*  
  
\*\*<span class="smallcaps">BUILDINGS DEPARTMENT</span>\*\*  
  
\*\*Version: 0.1\*\*  
  
\*\*Jan 2025\*\*  
  
? The Government of the Hong Kong Special Administrative Region  
  
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# 1. Introduction  
  
This document provides a description of data catalogue of the Combined  
System Development Services of the LSCP of the Buildings Department.  
  
This data catalogue is based on the analysis of the 'bd' database, last updated on 2025/3/4 ??10:10:39. The database consists of 12 collections and a total of 1,278,983 documents, with a total data size of 371.24 MB. The database size is 88.10 MB. This document details the structure and fields of each collection within the 'bd' database.  
  
# 2. Definitions  
  
| Terms | Definitions |  
|-------|----------------------|  
| BD | Buildings Department |  
| LSCP | Licensing Self-Certification Portal |  
| MC | Master Concept (Hong Kong) Limited |  
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# 3. Data Entity Description  
  
This section states all the entities in the LSCP Database.  
  
The following section describes how the LSCP entities can be mapped onto  
physical data design.  
  
- Entities list for LSCP Data  
  
| \*\*Item\*\* | \*\*Entity Name\*\* | \*\*Entity Description\*\* |  
|----------|-----------------|------------------------|  
| 1 | tasks | Tasks Collection |  
| 2 | eminutes | Eminutes Collection |  
| 3 | submissions | Submissions Collection |  
| 4 | applications | Applications Collection|  
| 5 | notifications | Notifications Collection|  
| 6 | bsblocks | Bsblocks Collection |  
| 7 | cases | Cases Collection |  
| 8 | oauthtokens | Oauthtokens Collection |  
| 9 | sysfilerefs | Sysfilerefs Collection |  
| 10 | attachments | Attachments Collection |  
| 11 | users | Users Collection |  
| 12 | adrblkfilerefs | Adrblkfilerefs Collection|  
| | | |  
| | | |  
| | | |  
  
#  
  
# 4. Equipment Configuration  
  
This section is to package all of the details related to data items in  
physical including Data Item, description, format and storage length so  
as to ensure that data item details are maintained centrally.  
  
The following tables describe the data items for each database table in  
the physical design. The explanation for columns is as follows.  
  
Database-level validation is not utilized in MS SQL. Instead, all  
validations have been implemented on the server side within the code  
behind.  
  
> \*\*Entity Name\*\* - Name of database object  
>  
> \*\*Description\*\* - Description of entity  
>  
> \*\*Field Name\*\* - Name of object attributes  
>  
> \*\*Field Format\*\* - Type of the data item:  
>  
> BIGINT:  
>  
> The BIGINT data type is used to store larger integer value. e.g. from  
> -9,223,372,036,854,775,808 to 9,223,372,036,854,775,807.  
>  
> NVARCHAR:  
>  
> The NVARCHAR data type stores character data in a variable-length  
> field.  
>  
> DATETIME2:  
>  
> "DATETIME2" data type is used to store date and time values.  
>  
> UNIQUEIDENTIFIER:  
>  
> A column or local variable of unique identifier data type can be  
> initialized to a value.  
>  
> BIT:  
>  
> BIT data type is used to represent a Boolean value.  
>  
> \*\*Field Length\*\* - Specify the max number of characters of string  
> field  
>  
> \*\*Mandatory\*\* - Specify if the data item is mandatory. ?Y? if true.  
>  
> \*\*Primary Key\*\* - Indicates if data item is part of the Primary Key  
>  
> \*\*Foreign Key\*\* - Indicates if data item is part of the Foreign Key  
  
##  
  
## 4.1 Objective  
  
> Name Space: LSCP  
>  
> Description: LSCP Data Storage  
>  
> Storage Location: TBC  
>  
> File Name: TBC  
  
### 4.1.1. tasks  
  
> Entity Name: tasks  
>  
> Description: Collection for storing task information.  
  
| \*\*Field Name\*\* | \*\*Description\*\* | \*\*Field Format\*\* | \*\*Field Length\*\* | \*\*Mandatory\*\* | \*\*Primary Key\*\* | \*\*Foreign Key\*\* |  
|---------------|-----------|----------|----------|-----------|----------|---------|  
| \_\_v | | objectId, int | | | | |  
| \_id | | objectId | | | | |  
| application | | objectId | | | | |  
| createdAt | | date | | | | |  
| status | | string | | | | |  
| submissionCase| | objectId | | | | |  
| taskType | | string | | | | |  
| team | | string | | | | |  
| user | | string, objectId | | | | |  
  
### 4.1.2. eminutes  
  
> Entity Name: eminutes  
>  
> Description: Collection for storing electronic minutes information.  
  
| \*\*Field Name\*\* | \*\*Description\*\* | \*\*Field Format\*\* | \*\*Field Length\*\* | \*\*Mandatory\*\* | \*\*Primary Key\*\* | \*\*Foreign Key\*\* |  
|---------------|-----------|----------|----------|-----------|----------|---------|  
| \_\_v | | int | | | | |  
| \_id | | objectId | | | | |  
| comment | | string | | | | |  
| content | | string | | | | |  
| createdAt | | date | | | | |  
| efolio | | string | | | | |  
| eminuteId | | string | | | | |  
| from | | objectId, string | | | | |  
| status | | string | | | | |  
| subject | | string | | | | |  
| submissionCase| | objectId | | | | |  
| sysFileRefId | | string | | | | |  
| to | | objectId, string | | | | |  
  
### 4.1.3. submissions  
  
> Entity Name: submissions  
>  
> Description: Collection for storing submission information.  
  
| \*\*Field Name\*\* | \*\*Description\*\* | \*\*Field Format\*\* | \*\*Field Length\*\* | \*\*Mandatory\*\* | \*\*Primary Key\*\* | \*\*Foreign Key\*\* |  
|---------------|-----------|----------|----------|-----------|----------|---------|  
| \*No Fields Defined\* | | | | | | |  
  
### 4.1.4. applications  
  
> Entity Name: applications  
>  
> Description: Collection for storing application information.  
  
| \*\*Field Name\*\* | \*\*Description\*\* | \*\*Field Format\*\* | \*\*Field Length\*\* | \*\*Mandatory\*\* | \*\*Primary Key\*\* | \*\*Foreign Key\*\* |  
|---------------|-----------|----------|----------|-----------|----------|---------|  
| APP13 | | object, array | | | | |  
| AddressOfPremiseCN| | string | | | | |  
| AddressOfPremiseCNFloor| | string | | | | |  
| AddressOfPremiseCNUnit| | string | | | | |  
| AddressOfPremiseEN| | string | | | | |  
| AddressOfPremiseENFloor| | string | | | | |  
| AddressOfPremiseENUnit| | string | | | | |  
| AgeOfStudent | | null, string | | | | |  
| ApplicantAddress | | string | | | | |  
| ApplicantEmail | | string | | | | |  
| ApplicantFax | | string | | | | |  
| ApplicantMobile | | string | | | | |  
| ApplicantName | | string | | | | |  
| ApplicantNameCN | | string | | | | |  
| ApplicantNameEN | | null, string | | | | |  
| ApplicantTel | | null, string | | | | |  
| ApplicationNo | | null, string | | | | |  
| ApplicationType | | string | | | | |  
| Area | | string | | | | |  
| BlockID | | string | | | | |  
| ContactPerson | | string | | | | |  
| ContactPersonCN | | string | | | | |  
| ContactPersonEN | | string | | | | |  
| ContactPersonEmail| | string | | | | |  
| ContactPersonTel | | string | | | | |  
| DescriptionOfSchool| | string, null | | | | |  
| District | | string | | | | |  
| EstimatedNoOfStudent| | int, null | | | | |  
| FileReference | | string | | | | |  
| NameOfSchoolCN | | string | | | | |  
| NameOfSchoolEN | | string | | | | |  
| Region | | string | | | | |  
| RelatedPremise | | string | | | | |  
| RelatedPremises | | array | | | | |  
| SelfCertification| | object, null | | | | |  
| StructuralCalculation| | object | | | | |  
| SubmissionType | | string | | | | |  
| \_\_v | | int | | | | |  
| \_id | | objectId | | | | |  
| address | | object | | | | |  
| assignedBS | | objectId, string, null | | | | |  
| assignedGR | | objectId, null | | | | |  
| assignedSBS | | string, null | | | | |  
| createdAt | | date | | | | |  
| updatedAt | | date | | | | |  
  
### 4.1.5. notifications  
  
> Entity Name: notifications  
>  
> Description: Collection for storing notification information.  
  
| \*\*Field Name\*\* | \*\*Description\*\* | \*\*Field Format\*\* | \*\*Field Length\*\* | \*\*Mandatory\*\* | \*\*Primary Key\*\* | \*\*Foreign Key\*\* |  
|---------------|-----------|----------|----------|-----------|----------|---------|  
| \_\_v | | int | | | | |  
| \_id | | objectId | | | | |  
| createdAt | | date | | | | |  
| eminute | | objectId | | | | |  
| notificationType | | string | | | | |  
| requireSendEmail | | bool | | | | |  
| task | | objectId | | | | |  
| user | | string | | | | |  
  
### 4.1.6. bsblocks  
  
> Entity Name: bsblocks  
>  
> Description: Collection for storing building blocks information.  
  
| \*\*Field Name\*\* | \*\*Description\*\* | \*\*Field Format\*\* | \*\*Field Length\*\* | \*\*Mandatory\*\* | \*\*Primary Key\*\* | \*\*Foreign Key\*\* |  
|---------------|-----------|----------|----------|-----------|----------|---------|  
| \_\_v | | int | | | | |  
| \_id | | objectId | | | | |  
| bdgis | | string | | | | |  
| blockId | | string | | | | |  
  
### 4.1.7. cases  
  
> Entity Name: cases  
>  
> Description: Collection for storing case information.  
  
| \*\*Field Name\*\* | \*\*Description\*\* | \*\*Field Format\*\* | \*\*Field Length\*\* | \*\*Mandatory\*\* | \*\*Primary Key\*\* | \*\*Foreign Key\*\* |  
|---------------|-----------|----------|----------|-----------|----------|---------|  
| ActualReplyDate | | null, date | | | | |  
| Area | | string | | | | |  
| AuditResult | | string | | | | |  
| CaseOfficer | | string | | | | |  
| Category | | string | | | | |  
| District | | string | | | | |  
| FileReference | | string | | | | |  
| LAFileReference | | object | | | | |  
| Nature | | null, string | | | | |  
| ObjectiontoLR | | string | | | | |  
| ReceivedDate | | date, null | | | | |  
| Referrer | | object | | | | |  
| Region | | string | | | | |  
| Remarks | | string | | | | |  
| Reminders | | array | | | | |  
| SubmissionType | | string | | | | |  
| SubstantialReplyDate| | null, date | | | | |  
| TargetReplyDate | | date, null | | | | |  
| ThreeTierReqt | | string | | | | |  
| ViaSCS | | bool | | | | |  
| \_\_v | | int | | | | |  
| \_id | | objectId | | | | |  
| application | | objectId | | | | |  
| assignedBS | | objectId | | | | |  
| assignedGR | | objectId | | | | |  
| building\_information| | object | | | | |  
| caseDescription | | object | | | | |  
| caseOfficerReceive | | string | | | | |  
| caseOfficerReply | | string | | | | |  
| createdAt | | date | | | | |  
| deck\_study | | object | | | | |  
| documentChecklist | | object | | | | |  
| dv | | object | | | | |  
| frc | | object | | | | |  
| misc | | object | | | | |  
| moe | | object | | | | |  
| seniorCaseOfficerReceive| | string | | | | |  
| seniorCaseOfficerReply| | string | | | | |  
| site\_inspection | | object | | | | |  
| structural\_ccc\_bs | | object | | | | |  
| structural\_schnlh | | object | | | | |  
| structural\_schnlhkinds| | object | | | | |  
| team | | string | | | | |  
| ubw | | object | | | | |  
| updatedAt | | date | | | | |  
  
### 4.1.8. oauthtokens  
  
> Entity Name: oauthtokens  
>  
> Description: Collection for storing OAuth tokens information.  
  
| \*\*Field Name\*\* | \*\*Description\*\* | \*\*Field Format\*\* | \*\*Field Length\*\* | \*\*Mandatory\*\* | \*\*Primary Key\*\* | \*\*Foreign Key\*\* |  
|---------------|-----------|----------|----------|-----------|----------|---------|  
| \_\_v | | int | | | | |  
| \_id | | objectId | | | | |  
| accessToken | | string | | | | |  
| accessTokenExpiresAt | | date | | | | |  
| client | | object | | | | |  
| refreshToken | | string | | | | |  
| refreshTokenExpiresAt | | date | | | | |  
| user | | objectId | | | | |  
  
### 4.1.9. sysfilerefs  
  
> Entity Name: sysfilerefs  
>  
> Description: Collection for storing system file references information.  
  
| \*\*Field Name\*\* | \*\*Description\*\* | \*\*Field Format\*\* | \*\*Field Length\*\* | \*\*Mandatory\*\* | \*\*Primary Key\*\* | \*\*Foreign Key\*\* |  
|---------------|-----------|----------|----------|-----------|----------|---------|  
| \_\_v | | int | | | | |  
| \_id | | objectId | | | | |  
| createdDt | | date | | | | |  
| createdName | | null, string | | | | |  
| createdPost | | null, string | | | | |  
| createdSection | | null, string | | | | |  
| display | | string | | | | |  
| dvExceed | | null, string | | | | |  
| dvStatusDt | | null, date | | | | |  
| frefPref | | string, null | | | | |  
| frefSeq | | null, string | | | | |  
| frefSuf | | null, string | | | | |  
| frefYr | | null, string | | | | |  
| lastModifiedDt | | date | | | | |  
| lastModifiedName | | null, string | | | | |  
| lastModifiedPost | | null, string | | | | |  
| lastModifiedSection| | null | | | | |  
| sysFileRefId | | string | | | | |  
  
### 4.1.10. attachments  
  
> Entity Name: attachments  
>  
> Description: Collection for storing attachment information.  
  
| \*\*Field Name\*\* | \*\*Description\*\* | \*\*Field Format\*\* | \*\*Field Length\*\* | \*\*Mandatory\*\* | \*\*Primary Key\*\* | \*\*Foreign Key\*\* |  
|---------------|-----------|----------|----------|-----------|----------|---------|  
| \_\_v | | int | | | | |  
| \_id | | objectId | | | | |  
| application | | objectId | | | | |  
| createdAt | | date | | | | |  
| efolio | | null, string | | | | |  
| file | | object, string | | | | |  
| filePartNo | | string | | | | |  
| receivedDate | | date | | | | |  
| remarks | | string | | | | |  
| subType | | string | | | | |  
| submissionCase | | objectId | | | | |  
| sysFileRefId | | string | | | | |  
| type | | string | | | | |  
| updatedAt | | date | | | | |  
  
### 4.1.11. users  
  
> Entity Name: users  
>  
> Description: Collection for storing user information.  
  
| \*\*Field Name\*\* | \*\*Description\*\* | \*\*Field Format\*\* | \*\*Field Length\*\* | \*\*Mandatory\*\* | \*\*Primary Key\*\* | \*\*Foreign Key\*\* |  
|---------------|-----------|----------|----------|-----------|----------|---------|  
| \_\_v | | int | | | | |  
| \_id | | objectId | | | | |  
| bdgis | | string | | | | |  
| begis | | string | | | | |  
| delegateTo | | string | | | | |  
| department | | string | | | | |  
| email | | string | | | | |  
| group | | string | | | | |  
| lastLoginAt | | date | | | | |  
| letterLongPosition| | string | | | | |  
| letterLongPositionCn| | string | | | | |  
| letterName | | string | | | | |  
| letterNameCn | | string | | | | |  
| letterPosition | | string | | | | |  
| letterPositionCn | | string | | | | |  
| lock | | bool | | | | |  
| luPostName | | string | | | | |  
| name | | string | | | | |  
| notificationEmail | | string | | | | |  
| osdpEmail | | string | | | | |  
| osdpLoginId | | string | | | | |  
| password | | string | | | | |  
| phoneNumber | | string | | | | |  
| position | | string | | | | |  
| role | | string | | | | |  
| team | | string | | | | |  
| userType | | string | | | | |  
  
### 4.1.12. adrblkfilerefs  
  
> Entity Name: adrblkfilerefs  
>  
> Description: Collection for storing address block file references information.  
  
| \*\*Field Name\*\* | \*\*Description\*\* | \*\*Field Format\*\* | \*\*Field Length\*\* | \*\*Mandatory\*\* | \*\*Primary Key\*\* | \*\*Foreign Key\*\* |  
|---------------|-----------|----------|----------|-----------|----------|---------|  
| \_\_v | | int | | | | |  
| \_id | | objectId | | | | |  
| adrBlkFileRefId | | string | | | | |  
| adrBlkId | | string | | | | |  
| createdDt | | date | | | | |  
| createdName | | null, string | | | | |  
| createdPost | | string | | | | |  
| createdSection | | null, string | | | | |  
| lastModifiedDt | | date | | | | |  
| lastModifiedName | | null, string | | | | |  
| lastModifiedPost | | string | | | | |  
| lastModifiedSection| | string, null | | | | |  
| sysFileRefId | | string | | | | |