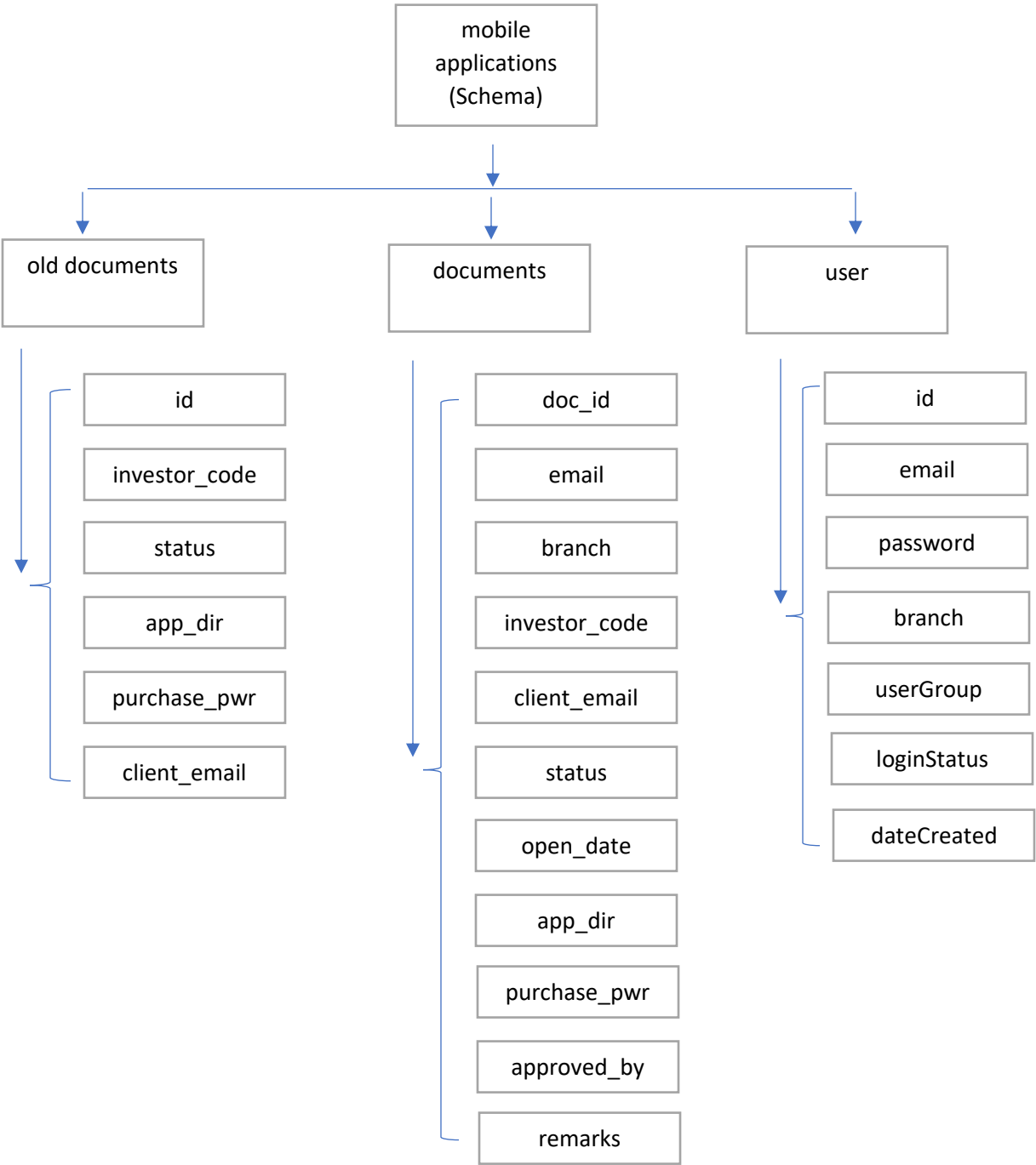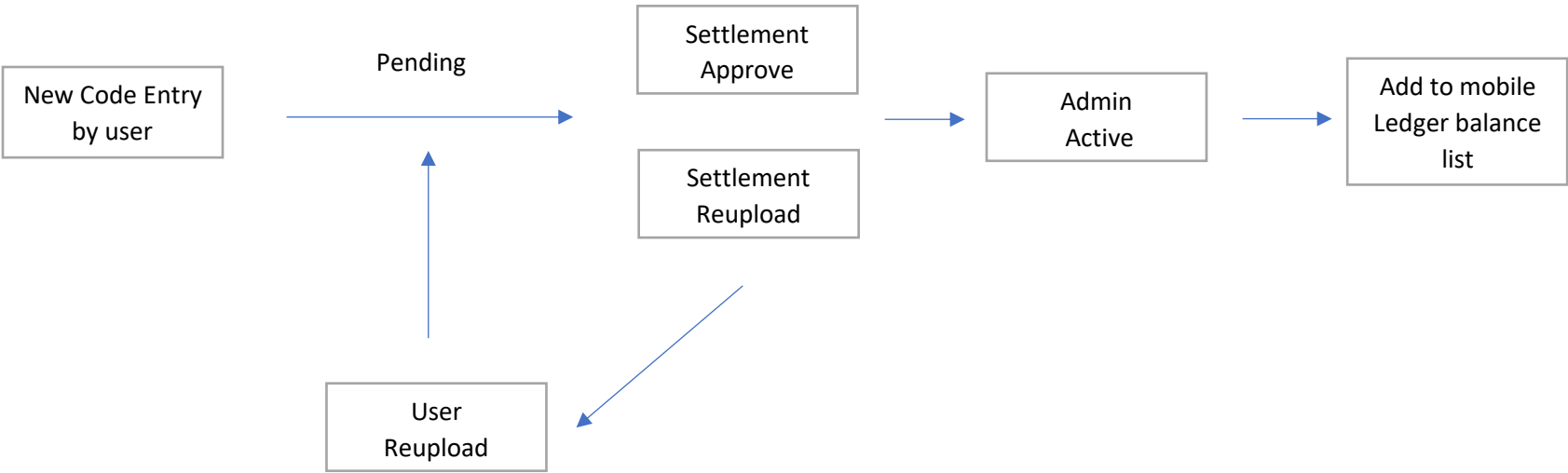**DSE Mobile Application Manager** is a software system to manage mobile application documents. It has the options to perform necessary tasks to manage a mobile application form. A brief overview of the tasks performed is given in this document. The following chart shows the database structure.

```
                          ┌─────────────────┐
                          │     mobile      │
                          │  applications   │
                          │    (Schema)     │
                          └─────────────────┘
                                   │
         ┌─────────────────────────┼─────────────────────────┐
         ▼                         ▼                         ▼
  ┌──────────────┐          ┌──────────────┐          ┌──────────────┐
  │ old documents│          │  documents   │          │     user     │
  └──────────────┘          └──────────────┘          └──────────────┘
         │                         │                         │
    ┌────────────┐            ┌────────────┐            ┌────────────┐
    │     id     │            │   doc_id   │            │     id     │
    └────────────┘            └────────────┘            └────────────┘
    ┌────────────┐            ┌────────────┐            ┌────────────┐
    │investor_code│           │   email    │            │   email    │
    └────────────┘            └────────────┘            └────────────┘
    ┌────────────┐            ┌────────────┐            ┌────────────┐
    │   status   │            │   branch   │            │  password  │
    └────────────┘            └────────────┘            └────────────┘
    ┌────────────┐            ┌────────────┐            ┌────────────┐
    │  app_dir   │            │investor_code│           │   branch   │
    └────────────┘            └────────────┘            └────────────┘
    ┌────────────┐            ┌────────────┐            ┌────────────┐
    │purchase_pwr│            │client_email│            │  userGroup │
    └────────────┘            └────────────┘            └────────────┘
    ┌────────────┐            ┌────────────┐            ┌────────────┐
    │client_email│            │   status   │            │ loginStatus│
    └────────────┘            └────────────┘            └────────────┘
                             ┌────────────┐            ┌────────────┐
                             │ open_date  │            │dateCreated │
                             └────────────┘            └────────────┘
                             ┌────────────┐
                             │  app_dir   │
                             └────────────┘
                             ┌────────────┐
                             │purchase_pwr│
                             └────────────┘
                             ┌────────────┐
                             │approved_by │
                             └────────────┘
                             ┌────────────┐
                             │  remarks   │
                             └────────────┘
```

Process Overview

```
                          ┌─────────────┐
                          │ Settlement  │
                          │  Approve    │
┌──────────────┐  Pending ├─────────────┤      ┌──────────┐      ┌──────────────┐
│ New Code Entry│────────→│             │─────→│  Admin   │─────→│ Add to mobile│
│   by user     │         │ Settlement  │      │  Active  │      │Ledger balance│
└──────────────┘         │  Reupload   │      └──────────┘      │     list     │
                          └─────────────┘                        └──────────────┘
        ↑                        │
        │                        ↓
   ┌──────────┐
   │   User   │
   │ Reupload │
   └──────────┘
```

The system requires User, Settlement and Admin user groups for working. User makes the new code entry i.e., uploading the documents, settlement group approves or requests the user to reupload the document and admin activates the code and does other necessary tasks.

Software used

1. MySQL Server & MySQL workbench (MySQL community server 8.0.22)
2. PHP 7.3.25

Server Requirements & Recommendation

Windows Server 2012r2, IIS 8.5

Space Requirement: 500GB

Max file upload size: 2MB