

Detail Design
On
City Corporation Branch Work Coordination (CCBWC)

Course No: CSE 3204

Course Title: Software Engineering and Information System Project

Project Manager:
Dr. Kazi Masudul Alam
Associate Professor,
Computer Science &
Engineering Discipline,
Khulna University

Mazhar Ibna Zahur

Student Id: 130222

&

Kushal Gosh

Student Id: 140223

ER Diagram:

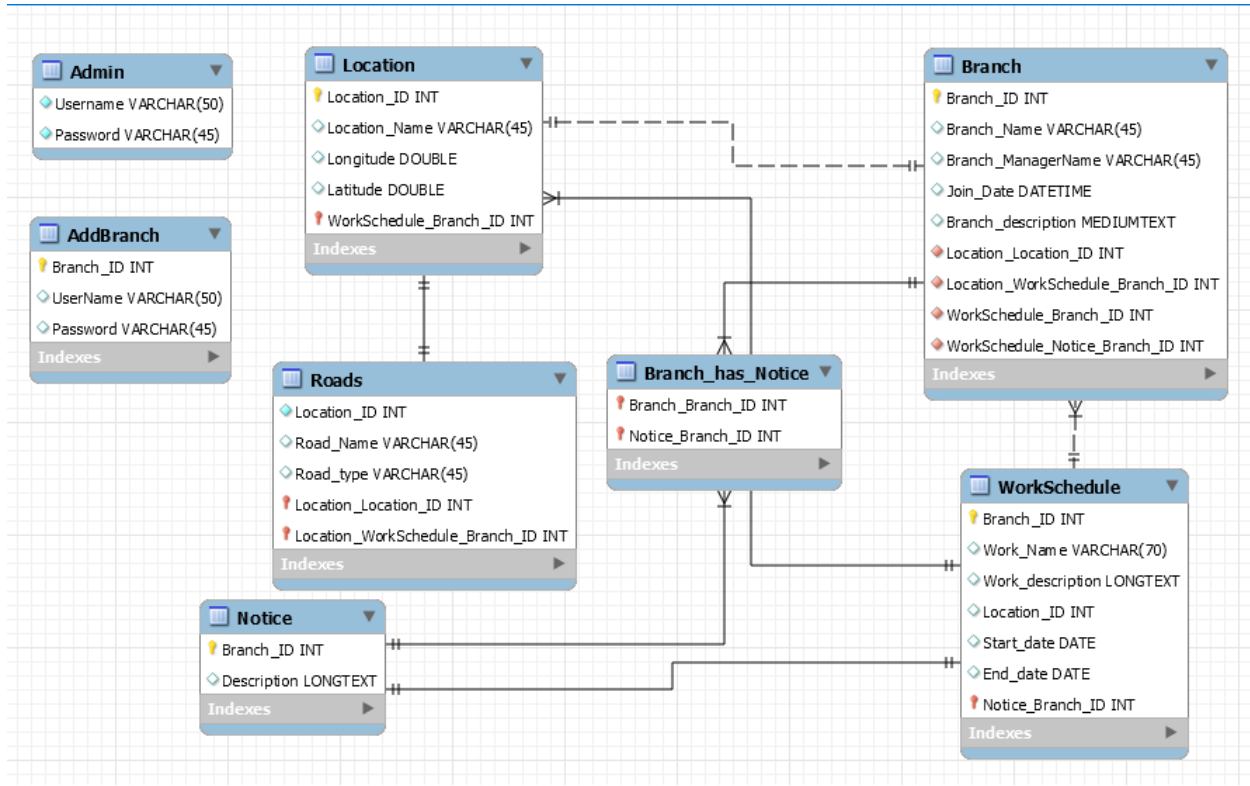


Fig: ER Diagram

Class Diagram:

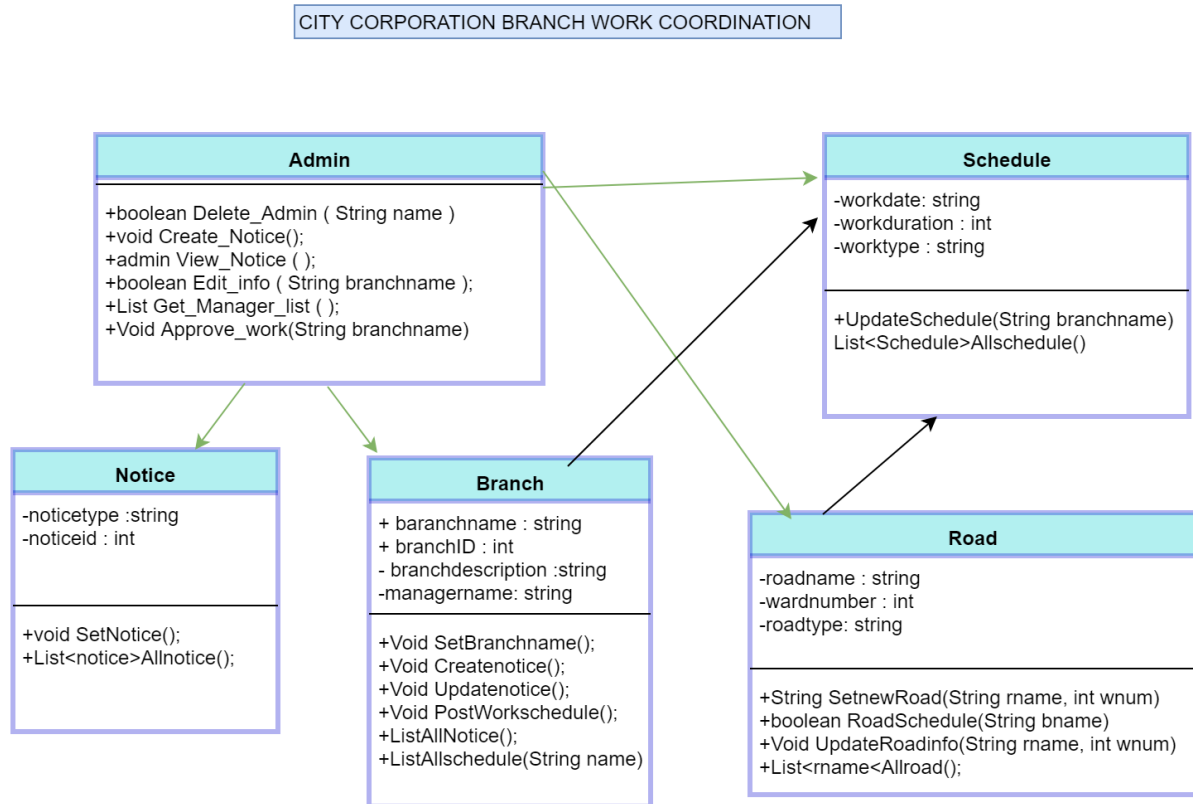


Fig: Class Diagram

Details Class Digram:

Class Admin

void Create_A_Branch (String branchname, String manager, String password, String description)

boolean **Delete_Admin** (String name)

void Create_Notice()

admin **View_Notice** ()

boolean **Edit_info** (String branchname)

List<admin> **Get_Manager_list** ()

Void Approve_work(String branchname)

Class Branch

Void **SetBranchname**();

Void **Createnotice**();

Void **Updatenotice**();

Void **PostWorkschedule**();

List<notice>**AllNotice**();

List<schedule>**Allschedule**(String name);

Class Notice

Void **SetNotice**();

List<notice>**AllNotice**();

Class Road

```
Void SetNewRoad(String name, int wardnumber);  
Boolean RoadSchedule(String branchname);  
Void UpdateRoadInfo(String name, int WardNumber) ;  
List<Rname> AllRoad();
```

Class Schedule

```
Void UpdateSchedule(String branchname);  
List<Schedule> AllSchedule();
```

User Interface:

Home Page:

in home page on left side every branch name are Shown. Right side all notice are shown and any one can search any branch or location from search bar.



Fig: Home Page

Branch Page

In branch page all works going on are shown in white color map view and if no work is going color will black.

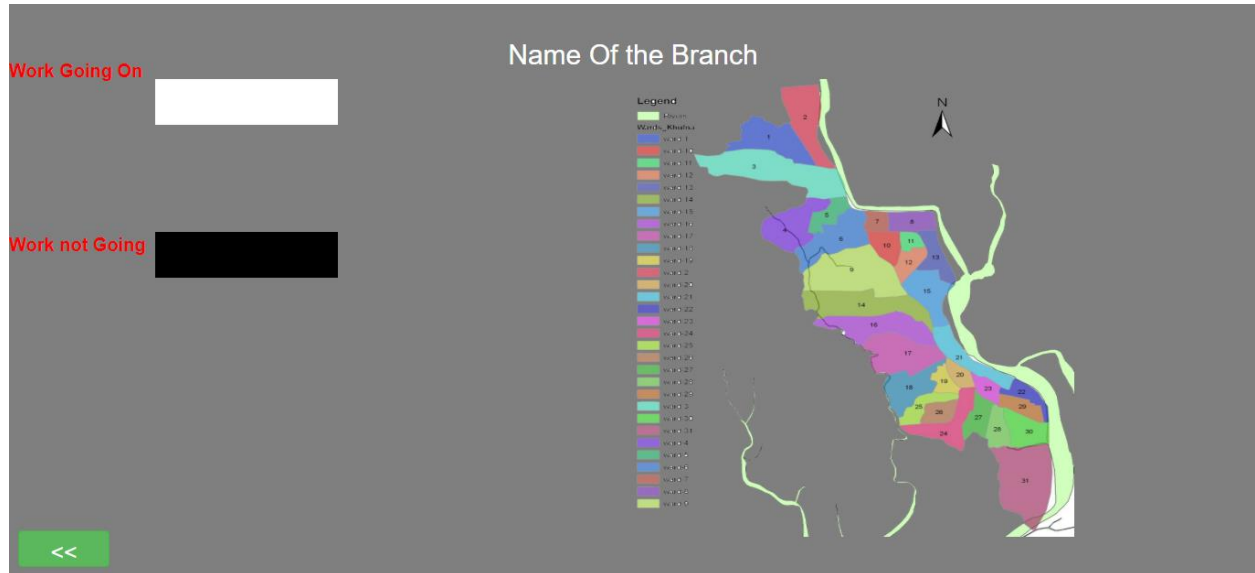


Fig: Branch Page

Search Page

After search by Ward number or branch name, work process will show in map view.

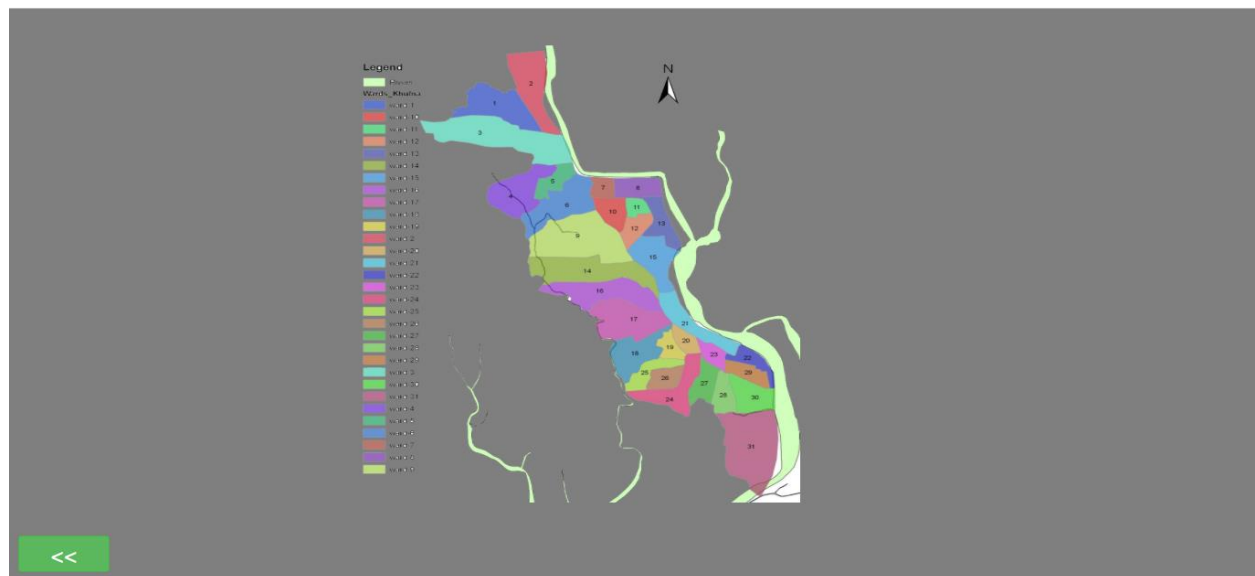


Fig: Search

Login Page

There are two role for login. Login as Admin and Branch Manager.



The login page features a central circular logo for Khulna City Corporation, established in 1984. The logo contains a red house icon, a street lamp, and a tower, surrounded by the text 'খুলনা সিটি কর্পোরেশন' and 'KHULNA CITY CORPORATION'. To the left of the logo is a login form with three input fields: 'Select Your Role:', 'User Name:', and 'Password:'. Below these fields is a green 'Log In' button. At the bottom left, there is a red 'BACK' button.

Fig: Login page

Login As Admin

Admin can create branch, post notice, edit notice and coordinate works through this page.



The admin panel interface includes the same central Khulna City Corporation logo. On the left, under the heading 'Admin panel', there is a vertical stack of four buttons: 'Create' (green), 'Edit' (green), 'Notice' (green), and 'Delete' (red). On the right, there are two buttons: 'Approve' (green) and 'Warning' (red). At the bottom right corner, there is a 'LOGOUT' button with each letter in its own small black box.

Fig: Admin Page

Create Branch

Branch Info

Name Of Branch :

Name of Branch Manager :

Set Username :

Set Password :

ADD Description:

Register



Fig: Create Branch

Edit Branch

Edit Branch Info

Water

Edit

Waste

Edit



Fig: Edit Branch info

Post Notice

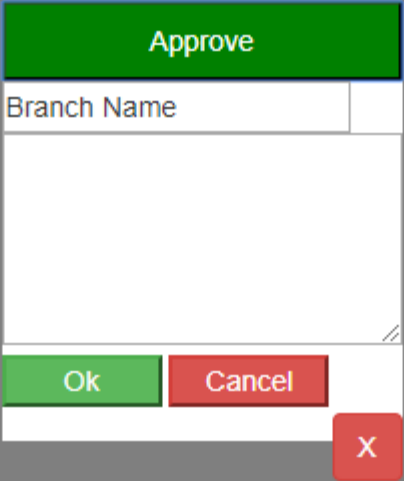
Here right side admin will see all notice including branch manager and his own. Left side he can create notice.



Fig: Admin Notice

Schedule Approval

Every manager works schedule need to be approved. By clicking on Approve admin can see approval request.



The image shows a software interface with a grey background. On the left, there is a partial view of a green circular button with a red border. In the center, there is a white dialog box titled "Approve" in a green header bar. Below the title bar, there is a text input field labeled "Branch Name". The input field is empty. Below the input field, there are two buttons: a green "Ok" button and a red "Cancel" button. To the right of the "Cancel" button, there is a small red square button with a white "X" icon. Below the dialog box, there is a red rectangular button labeled "Warning". In the bottom right corner of the grey background, there is a "LOG OUT" button, where each letter is inside its own black rounded square.

Approve

Branch Name

Ok Cancel

X

Warning

LOG OUT

Fig: Approval request

Coordination

If one or more branch work get conflicted, admin get warning.

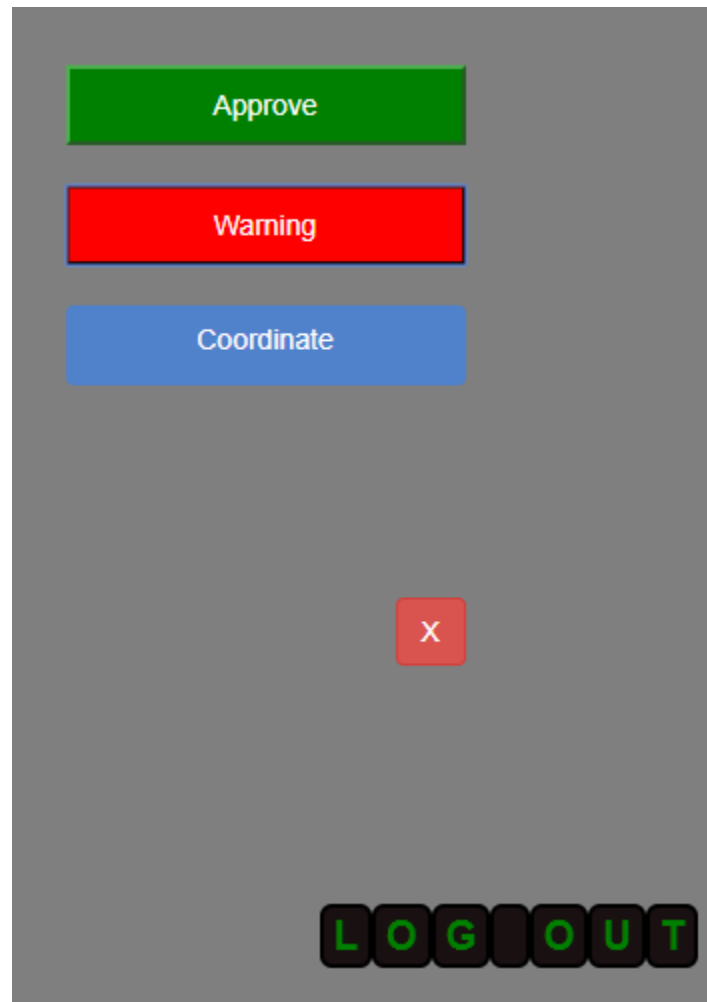


Fig : Conflict Warning

Coordination Page

Here admin will decide which work will get approval.



The screenshot shows a web interface for the Coordination Page. In the center is the logo of Khulna City Corporation, established in 1984, featuring a house, a street lamp, and a tower. To the left is a form titled "Complaining" with a large text area and a "Send" button. To the right is a form titled "Complain against" with a large text area and a "Send" button. At the bottom center are two buttons: "Continue" (green) and "Stop" (red).

Fig: Branch Coordination

BranchManager Page

Branch manager can post work schedule and he can see his all work schedule. He can edit and delete by approved from admin. But he can directly create notice without approval.



The screenshot shows a web interface for the Branch Manager Page. In the center is the same Khulna City Corporation logo. To the left, under the heading "Branch Manager", is a "Create Notice" button. Below it is a section "Post a New Schedule" with input fields for "Name of Work", "location name", "Ward Number", "start location", "end location", "start date" (with a date picker), "end date" (with a date picker), and "description". A "Create" button is at the bottom of this section. To the right is a section titled "ALL Schedule" with a large empty box and a small "e x" icon in the top right corner. At the bottom right of the page is a "LOGOUT" button.

Fig: Branch Manager

ManagerNotice

Admin Notice

Create Notice

Create

The logo of Khulna City Corporation is a circular emblem. It features a red background with a white house and a white tower. The text "খুলনা সিটি কর্পোরেশন" is written in Bengali script along the top arc, and "KHULNA CITY CORPORATION" is written in English along the bottom arc. The year "1984" is prominently displayed in the center.

ALL Notice

Fig: Manager Notice