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Complain Box

Component Level Design

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# Identified classes

Using the requirements and architectural model, we identified all classes. There were some classes that was not described in requirements model and we also identified those classes at this level. After identification we got the following classes –

* User
* Admin
* Notice
* ApplicationForm
* Event
* Institution
* Problem

# Class Elaboration

In this step, we analyze the identified classes, design their component and finally elaborate those design classes.

## Analysis Classes

## Design Component

## Elaborated Design Classes

# Collaboration Details

# Attribute Elaboration

|  |
| --- |
| **Admin** |
| email: string = khayrul.atiq@gmail.com {a valid email address}  password: string = {at least 5 characters and at most 15 characters} |

|  |
| --- |
| **ApplicationForm** |
| applicationID: string = {unique ID}  filePath: string |

|  |
| --- |
| **Event** |
| eventDate: string = {dd/mm/yyyy}  eventTime: string = {hh:mm}  eventDescription: string = {characters a-z, A-Z, 0-9 at most 500 characters} |

|  |
| --- |
| **Institution** |
| instituteName: string = {characters a-z, A-Z, 0-9 at most 100 characters}  instituteLocation  Latitude: double = 23.8103 {latitude of the location}  Longitude: double = 90.4125 {Longitude of the location}  institutePhoneNumber: string = {^([01]|\+88)?\d{11}}  institutionCategory: string = Hospital {Hospital, Fire Station, Police Station} |

|  |
| --- |
| **Notice** |
| noticeID: string = {unique ID}  noticeContent: string = {at most 500 characters a-z, A-Z, 0-9}  noticePublishingDate: string = {dd/mm/yyyy} |

|  |
| --- |
| **Problem** |
| problemID: string = {unique ID}  problemDescription: string = {at most 500 characters a-z, A-Z, 0-9}  problemCategory: string  problemPriority: integer = 0 {any value 0-10}  submissionDate: string = {dd/mm/yyyy}  problemStatus: string = in consideration {in consideration, in progress, solved}  wardNumber: integer = 0 {1-56}  Visibility: boolean = true {true, false}  Location  Latitude: double = 23.8103 {latitude of the location}  Longitude: double = 90.4125 {Longitude of the location} |

|  |
| --- |
| **User** |
| name: string = anonymous {character a-z, A-Z at most 20 character}  emai: string = example@gmail.com {valid email}  passward: string = {at least 5 characters and at most 15 characters} |

# Description of Processing Flow

createAccount(): boolean

manageNotice(): boolaen

recoverAccount(): boolean

addNotice(): boolean

# Behavior Elaboration

**Class: Admin**

**Class: User**

**Class: Notice**

**Class: ApplicationForm**