CARE CIRCLE

VOLUNTEER MANAGEMENT SYSTEM

Abstract

Carecircle is an innovative mobile and web application designed to revolutionize volunteer engagement by seamlessly connecting individuals with non-profit organization and volunteer opportunities. By integrating advanced social networking features, personalized matching algorithms, and gamification elements,
Carecircle enhances volunteer participation and streamlines management for non-profit
The platform offers a user-friendly interface that facilitates easy navigation, scheduling, and tracking, while also providing tools
For organizations to efficiently manage and verify volunteer activities. With its goal of building a vibrant volunteer community, fostering meaningful connections, and amplifyin social impact, Carecircle is set to transform the landscape of volunteerism, creating a more connected and impactful ecosystem for both volunteers and non-profits.

SYSTEM SPECIFICATION

Software Requirements

One of the most difficult tasks is selecting software, once the system requirement is to find out then we have to determine whether a particular software package fits for Those System requirements. This section summarizes the application requirement

Operating System : Windows 8 or above

Front End : Html, CSS, JavaScript, bootstrap, Dart

Back End : Python-Django, Flutter

IDE : Android Studio, JetBrains PyCharm

Database : MySQL

Web browser : Chrome, Explorer, Edge...etc

ENTITIES

1. Admin Module

The Admin Module allows administrators to manage the overall system, including user and organization management, monitoring feedback and ratings, and ensuring compliance with user standards. Admins can authenticate, oversee registered entities, and handle complaints efficiently.

2. Organization Module

The Organization Module enables organizations to register, manage user profiles, and communicate with both users and admins. It provides tools for viewing and responding to complaints, sending notifications about events, and overseeing user activities, ensuring effective organization management.

3.User Module

The User Module offers users a platform to interact with their organization, manage their profiles, and engage in activities. Users can send feedback and complaints, request participation in events, view notifications, and chat directly with the organization, fostering an active community engagement

DATA FLOW DIAGRAM

LEVEL 0 DFD(CONTEXT DIAGRAM)

PROCESS:

❖Volunteer management system
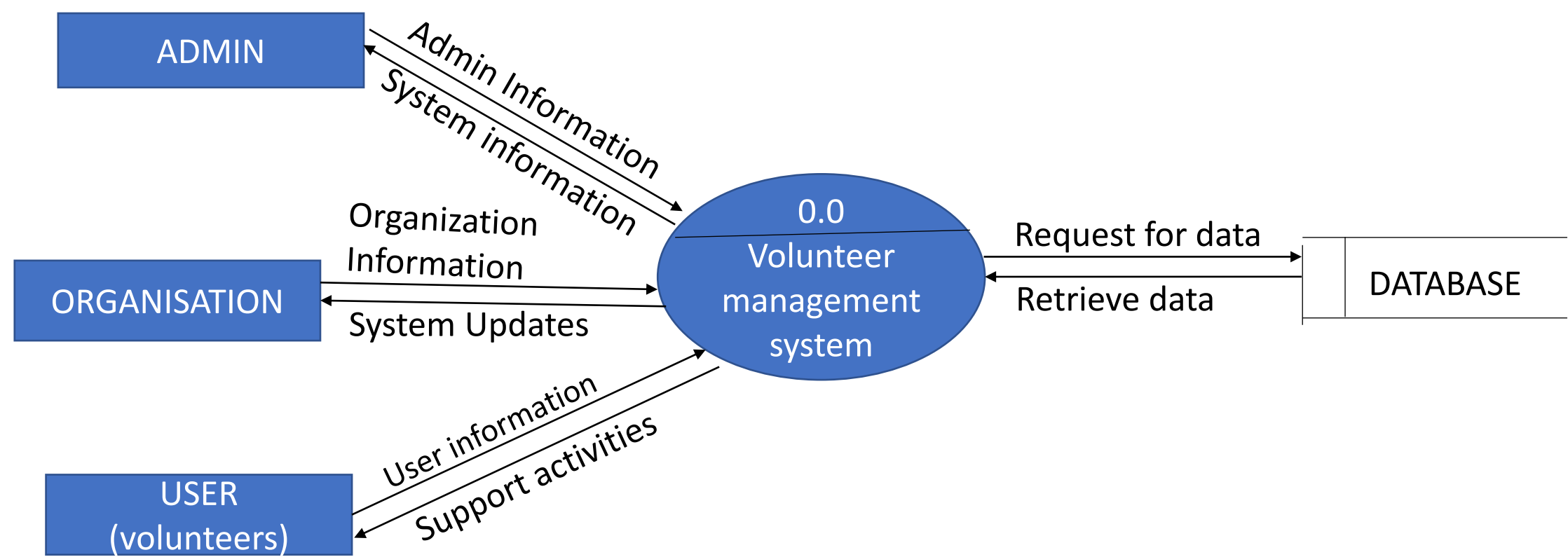
EXTERNAL ENTITIES:

❖Admin

❖Organization

❖Volunteers

DATA FLOWS:

❖Admin information,system information

❖Organization information,system updates

❖Volunteer information,support activities

LEVEL 0

ADMIN

Admin Information
System information

0.0
Volunteer management system

ORGANISATION

Organization Information
System Updates

USER (volunteers)

User information
Support activities

Request for data
Retrieve data

DATABASE

LEVEL 1 DFD

PROCESS:
- ❑ Login

DATA FLOWS:
- ❖ Organization enters id and password app verifies credentials.If valid,app grants access
- ❖ Admin enters id and password app verifies credentials.If valid,app grants access
- ❖ volunteer enters id and password app verifies credentials.If valid,app grants access
- ❑ ORGANISATION REGISTRATION
- ❖ Organization name,Officer name,Contact info,Events statement
- ❖ Admin-organization details
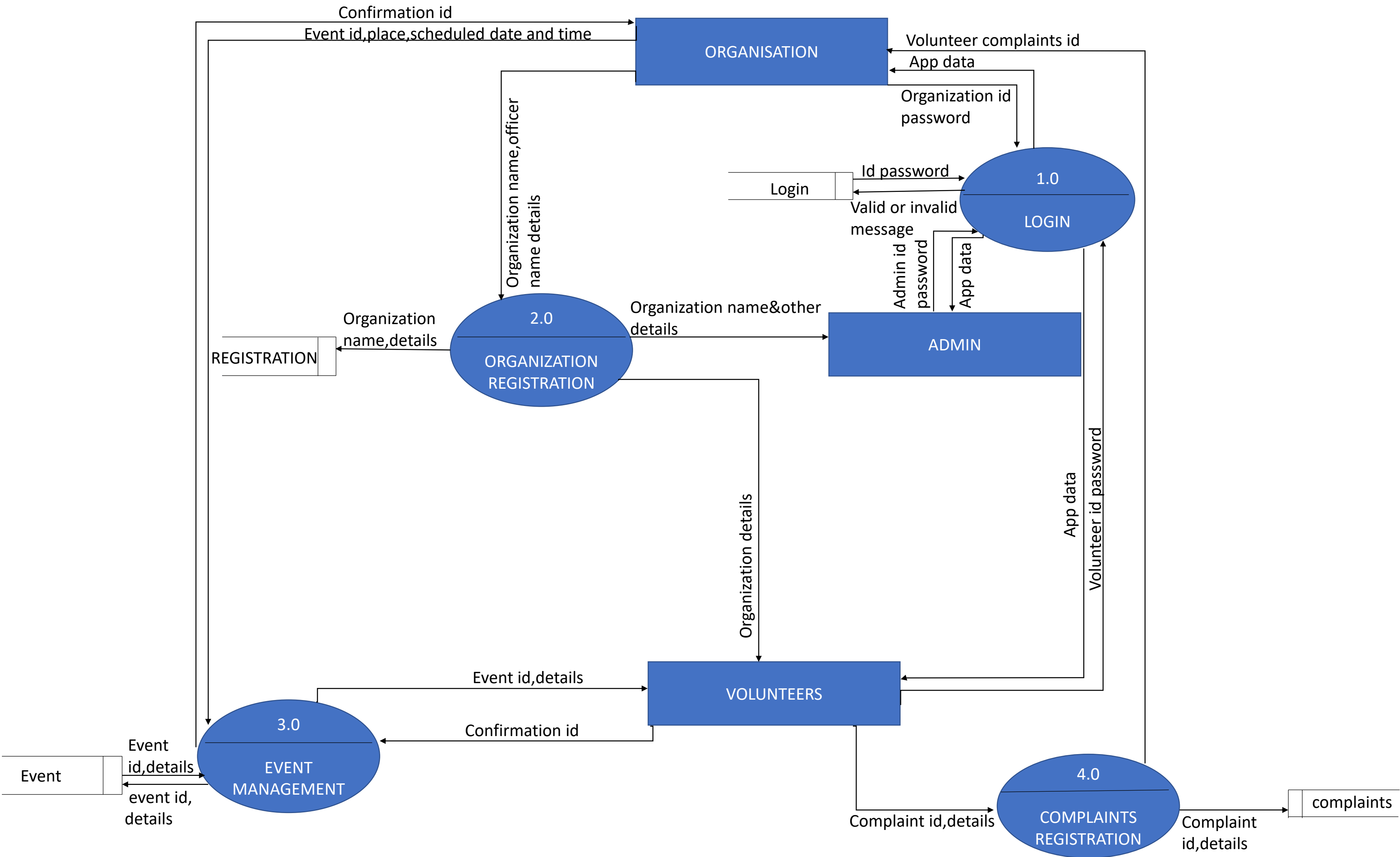- ❖ Volunteer-organization details

❏ EVENT MANAGEMENT

❖ Organization provide event id,place,scheduled date and time
❖ Volunteers enter confirmation id,display event details
❏ COMPLAINTS REGISTRATION
❖ Volunteer submit complaints
❖ Organization provide solutions

LEVEL 1

ORGANISATION

Confirmation id

Event id,place,scheduled date and time

Volunteer complaints id

App data

Organization id password

1.0 LOGIN

Id password

Login

Valid or invalid message

Organization name,officer name details

2.0 ORGANIZATION REGISTRATION

Organization name&other details

Admin id password

App data

ADMIN

Organization name,details

REGISTRATION

Organization details

App data

Volunteer id password

VOLUNTEERS

Event id,details

Confirmation id

3.0 EVENT MANAGEMENT

Event id,details

Event

event id, details

4.0 COMPLAINTS REGISTRATION

Complaint id,details
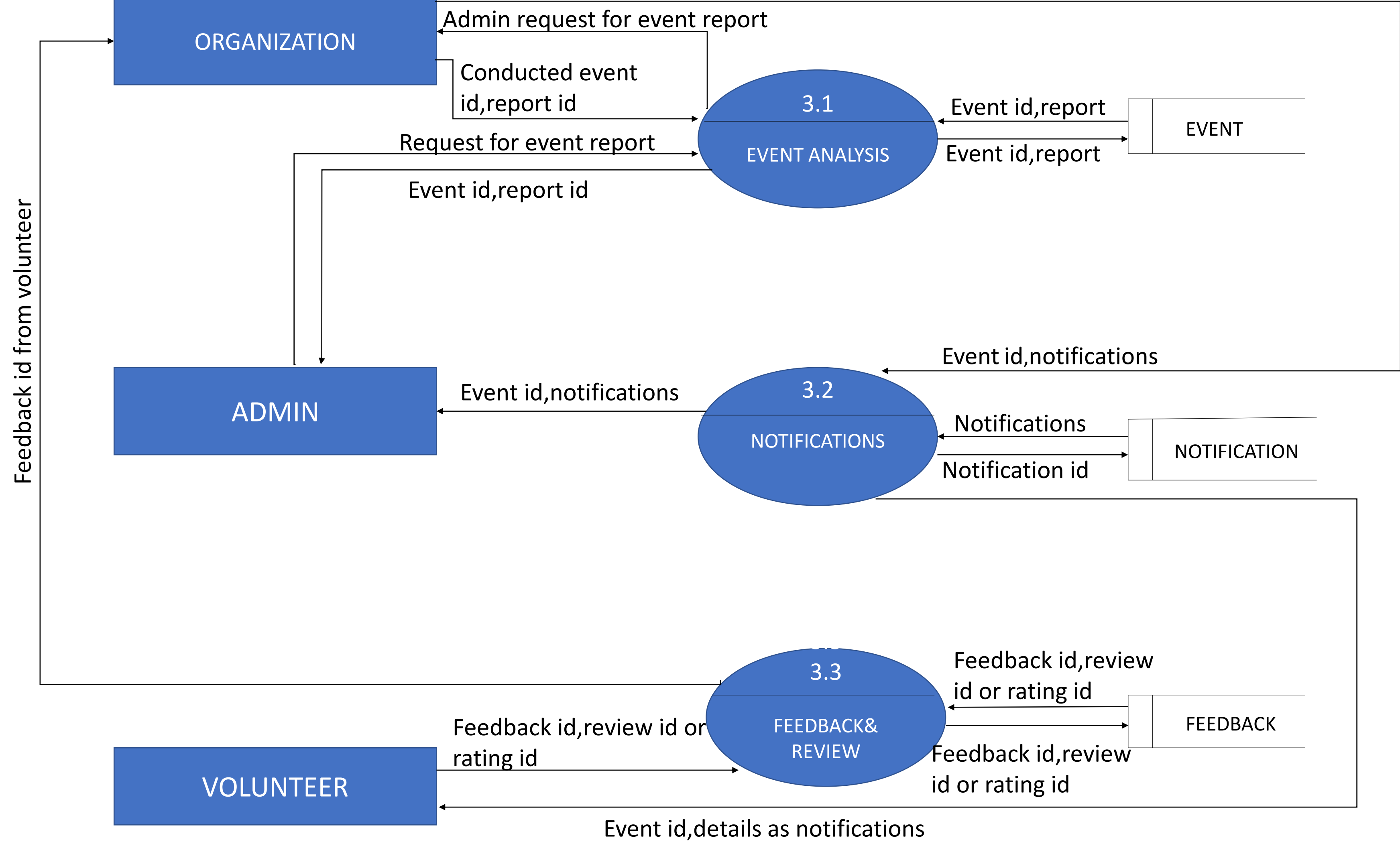
Complaint id,details

complaints

LEVEL 2

PROCESS:
- ❑ Event analysis
- ❑ Notification
- ❑ Feedback &reviews
- ❑ Sign-up
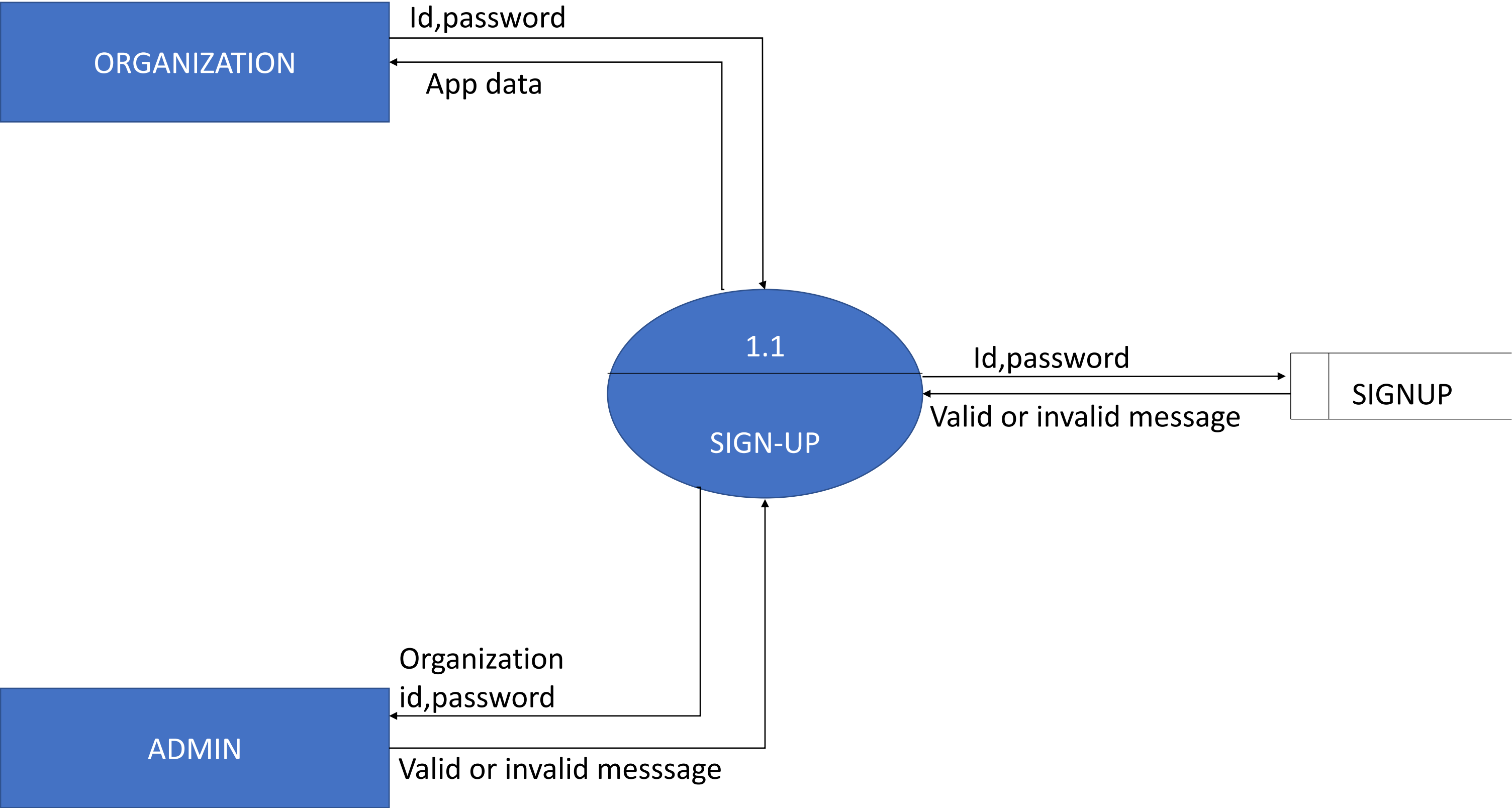- ❑ Organization register
- ❑ Volunteer register

DATA FLOW:
- ❖ Organization provide conducted event and report also event id &notifications
- ❖ Admin request for event report
- ❖ Volunteers gives the feedback or ratings about the event
- ❖ Organization signup with the id and password and get access of the data
- ❖ Admin verify the organization
- ❖ Organization register with their details
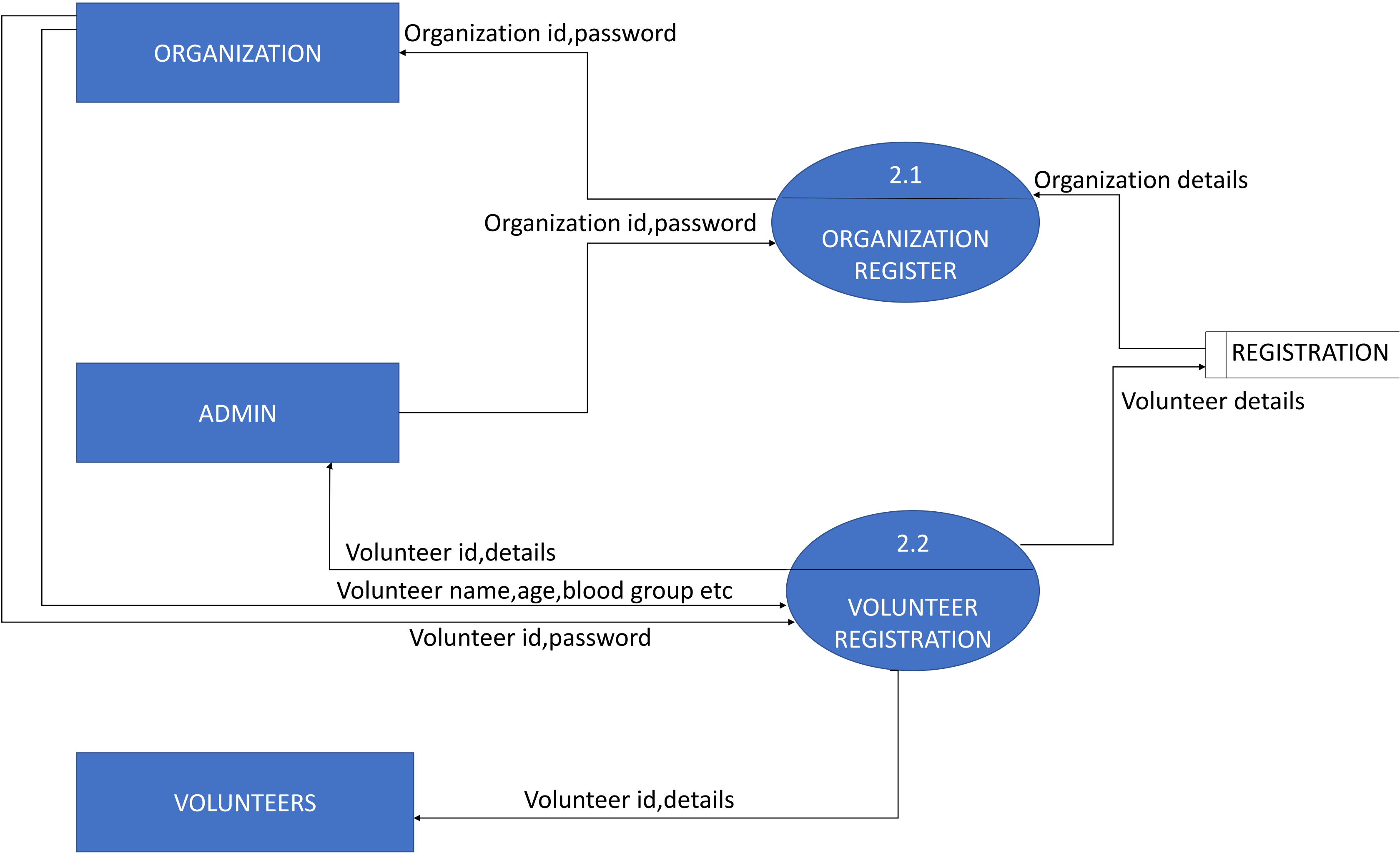- ❖ Volunteers register with their details

LEVEL 2
EVENT ANALYSIS

LEVEL 2
LOGIN
SIGN-UP

LEVEL 2
REGISTRATION

ORGANIZATION

Organization id,password

ADMIN

Organization id,password

2.1
ORGANIZATION
REGISTER

Organization details

REGISTRATION

Volunteer details

2.2
VOLUNTEER
REGISTRATION

Volunteer id,details

Volunteer name,age,blood group etc

Volunteer id,password

VOLUNTEERS

Volunteer id,details

END