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**Grape**

**User’s Guide**

**Version 1.0**

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Group Undefined

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**Document Language**:

English

**Revision History**

|  |  |  |  |
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| **Date** | **Version** | **Description** | **Author** |
| 2015.4.12 | 1.0 | Initialization of the report | Hunter Lin |
| 2015.4.16 | 1.1 | Finished the part of usage | Morning moni |
| 2015.4.18 | 1.2 | Finished the part of output | Listen |
| 2015.4.22 | 1.3 | Finished the part of input | Birdy Zhou |
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# 4During Using

## 4.1Installation and Initiate

Before installation, we need to do the following preparing:

1. MySQLdb, Python 2.7 and FLASK must be installed on the server.
2. MySQLdb must be always on running.
3. The free space in hard disk is large enough.

Then, we can start initiate the Grape.

1. Your computer or your phone is connected to the Internet.
2. If you are on computer, you can open an Internet explorer and enter the Grape’s website.
3. If you are on phone, you can run install package of Grape on your phone.

Currently, Grape is based on website. So it can be easily used without installation on your computer. Sooner, we will also publish our PC version.

After installation, you can do something to initiate.

1. Register your account with your e-mail address or phone-number.
2. Log in and Grape will recommend you several groups to join according to your favor.
3. Join in one group, then address your words, discuss your problem and make your votes.

Enjoy everything on Grape.

## 4.2Input

### 4.2.1Input Data Background

a) Situation:

i) Create a group

1. When a user needs to form a group and invite someone to attend, he can create a group and fill out some necessary information, using Grape.

2. The input frequency is random. One user will have some permanent groups like used of class and so on while also have some temporary groups like used of lecture.

3. All the input tasks are completed by user.

ii) Join in a group

1. When a user wants to take part in a class group or something like it. He can ask for the group number and search it. If he successfully finds it, then he can make an application to the leader. When he join in the group, he can mark his name.

2. The input frequency is random like creating a group.

3. All the input tasks are completed by user.

iii) Vote in a group

1. When the leader in the group raised a vote, members can take part in the voting. The leader needs design the vote’s content while members are responsible for voting and answering. Votes can be designed into questionnaire.

2. The input frequency will be high when the group members are active.

3. All the input task are completed by user.

iv) Discuss in a group

1. Everyone in the group can ask and answer question in the Discussion Section. If they have some topic, they can push their view onto the group while others can also comment on it or give some advice. That will be the most exciting and meaningful part.

2. The input frequency will be high when the group members are active.

3. All the input tasks are completed by user.

v) Share in a group

1. Leader in the group can upload his files in the group space while members should make an application before uploading. Everyone in the group can download these resources.

2. The input frequency will be high when something important is uploaded.

3. All the input tasks are completed by user.

vi) Bulletin in a group

1. Leader in the group can set bulletin to inform the members of something important and emergency.

2. The input frequency may be relatively low.

3. All the input tasks are completed by leader in the group.

b) Frequency of situation

Refer to part a, at each situation

c) Input Medium

When the user is on computer, he can use the keyboard and mouse to complete all the input work. Keyboard is used to input data and information, while mouse is used to select some requirement and complete control work.

When the user is on phone, he can use touch screen to do all the jobs.

d) Confine

From the factor of security, any access to the data of Grape will be authorized. Any user shall log on Grape first, and then he may have input authorities. Different people have different security levels, generally, leader of a group is relatively high while member is relatively low.

e) Quality Management

In order to prevent user inputting error information, we must check the data user input, we use the JavaScript to check the basic information at client side and carefully check at server side. It means we can decrease the possibility of having fatal errors.

When the input is error, the information will be displayed to the users, the operation will be denied.

f) Dominate

When user input data, the data will be treated at different ways. In the cases of creating groups, joining groups, discussing and voting, the data will be saved to the database if there is no error. The input data won’t be saved when user have something wrong on his input.

### 4.2.2Input Format

## 4.3Output

## 4.4Query Document

## 4.5Exception Management

## 4.6Terminal Operations

Grape has a distribute architecture. The server provides all the service to client PCs. All the client PCs shall do is connect to the server and then interact with other clients. The client PC should use web browser, entering the server’s IP and connect the server website in order to interact with others.

Users sent all the commands and information through net. The server responses the commands and information, executes them and the control them to be sent to the right place. Then the results are returned to users or groups which are also through net.

Because of our software have high security level, the user cannot visit the database directly. User can only interact with the webpages. The tasks are done by Grape automatically and they are invisible to users.