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**Grape**

**User’s Guide**

**Version 1.0**

**By**:

Group Undefined

2015-04

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**Document Language**:

English

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |
| Final Date | 2.0 |  |  |

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**4.4 Output**

**4.3.1 Output Data Background**

The main output background is as below:

a) Situation：

I) Group List:

The admin is responsible to manage the group’s information. He can delete a group. Every time he logs on to Grape and choose to see the groups’ existing. He can choose a group to see the actions to verify whether it is invalid or abandoned. If so, he can delete the group according to the principle. After admin has done this update, the Grape will display updated groups list that is the output of project management.

II) Member List:

The group leader can manage the group members. He can add, delete or invite a member. While he manage the members, Grape will show him a list of members in the group. He can choose to add someone to the group, delete someone from the group or invite somebody to join in. After any modification, the Grape will update the database and display updated member list.

III) Vote Chart:

When a vote raised by the group leader finishes, the results can be reflected in a vote chart. He can see the differences and the statistical data from the chart directly.

IV) File List:

User may want to share or download some files from the group. When he manage the files, the Grape will show him a shared files list. He can upload new files and select files to download. Upload can update the database and download will be reflected finally in the local file system.

V) Account List:

The admin is responsible to manage the users’ information. He can create, delete and edit a user’s information. While he manage the users, the Grape will show him a list of existing users. He can select one to edit or delete or create a new one. All the three works would update the database. After the management, the account list would be updated.

VI) Bulletin View:

All user can see the bulletin when they log in and choose the group. The group leader can select the bulletin and edit it. After any modification, the data about it in database would be updated. The new bulletin view would be shown in the group.

VII) Discuss List:

The users can discuss the posted problems in the group. When they want to discuss the problems or read the discussion, they would be displayed the discuss list. They can choose a problem to see the discussion and edit their own answers. The changes will be reflected in database. The new discuss list would be displayed after the modification, too.

VIII) Message List

The users sometimes need to receive some news broadcast by the Grape. When they choose to see them, the messages would be displayed. Users can get news from it and can delete the useless one from it.

IX) Request List

If the common user want to share files in the group, the files must be reviewed by the leader. When the leader manages the files, he would be displayed a request list with requests requesting the files to be shared. He can permit or refuse one request. The modification will be updated in the database. The request list and the file list would be both updated.

b) Situation Frequency:

I) Group List:

When admin manage the group, he can see the group list.

II) Member List:

When the group leader manage the group members, he can see the member list.

III) Vote Chart:

Every time one vote finishes, the output can display to the leader.

IV) File List

Every time users upload files or download files, file list would be displayed to uses.

V) Account List

The account list occurs at the time admin manage the users.

VI) Bulletin View

Every time users log in to the Grape and enter the group, the bulletin view would be shown.

VII) Discuss List

When users wants to discuss the problems or see the discussion, the discuss list would appear.

VIII) Message List

When users check the news from the Grape, he would see the message list.

IX) Request List

When the leader manages the files uploaded by users, the request list would appear.

1. Output medium

All the output is through the screen so that user can see it directly. If user wants to print it, the output can be typed through printer and showed in paper. User can also save the output the store medium like hardware, disk or CD-R.

1. Quality management

Before the output occurs, Grape checks the data and the internet connection. If there is exception, the output stops, the error information will be returned to user. This method prevents the system from fatal errors, so that Grape can decrease the possibilities of giving user error information.

1. Dominate

All of them would be saved even when the Grape is power off because of they all are determined by database

**4.4 Query Document**

Grape has capacity of querying:

1. Join Group

Users may want to join some existing groups, Grape provide them with subsystems. They fill a table of the name, ID or category of the group, Grape starts to search the qualified groups. Grape translates the input to SQL language and send it to database, then the database searches the records according to SQL language.

1. Query Account/Group

When admin want to check the information of some user or group, he can type the relevant information to submit to the Grape. Then the Grape would send it to the database. After database finishing the search work, it returns the information to Grape, then Grape completes the statistic works and shows the relevant accounts or groups to admin.

1. Download Files / Answer Problems

When users specify the files or the discussion, the Grape responds to it by querying corresponding ID and get the information form the database. Then the Grape returns the results to the users.

1. Vote

When everyone submits the vote, the system specify the vote in the database by querying. Then the specified database would update its information. When the vote finishes, the result will be returned to the leader in the form of chart.

**4.5 Exception Management**

Grape will come to exception while running. The exception conditions are listed as below:

1. The user input error data that Grape can’t find, while Grape execute them, exceptions come out. In order to ensure the system can continue running, BTS will return error information to remind user and require user to input again.
2. If the database cannot be connected, the user would be remind to reconnect or give up the operation.
3. If the files users choose to download is just deleted, the Grape would respond the error warning – “the files don’t exist”.
4. If the internet is not available, the “the network is not available” would be displayed instead of functional view in order to prevent old message or error message from being showed.