User Guide

1. If you do not have JDK and NetBeans installed on your computer, download them first through this link : http://www.oracle.com/technetwork/articles/javase/jdk-netbeans-jsp-142931.html
2. Open NetBeans IDE 8.2 and wait for it to load
3. Click File > Open File… and browse for the project “personalizedmagazineservice”
4. Run MagazineServiceClient.java
5. Click File > Project Properties > Run and check the Main Class. Make sure it is personalizedmagazineservice.MagazineServiceClient.
6. The program will generate 4 supplements, 4 magazines, 16 weekly supplements, 3 paying customers, and 4 associative customers. It will display the menu options available :
   * 1. Exit
     2. Add a new magazine
     3. Add a new supplement
     4. Add a new weekly supplement
     5. Display the email text containing the magazine for the customer(s)
     6. Display end of month email text for paying customer(s)
     7. Add a new customer
     8. Remove an existing customer

Add a new magazine

1. To add a new magazine, enter the digit 1.
2. Enter year, month, and day of the published date. If the date is invalid, there will be an error message “Invalid date”.
3. Enter heading and text of main part
4. If the magazine for specified year, month, and week number has existed, the program will ask whether you would like to overwrite the old one or not. If you would like to overwrite it, type ‘y’. Otherwise, enter ‘n’. If the option entered is ‘y’, the magazine will be overwritten by the published date, heading, and text of main part but the items in the weekly supplement list will be the same as the old one. Otherwise, the creation of magazine will be aborted.
5. If the magazine has not existed for specified year, month, and week number, the magazine will be created.

Add a new supplement

1. To add a new supplement, enter the digit 2.
2. A list of existing supplement types will show up. Enter a name different from the existing supplement names.
3. Enter a cost of positive value (>0).
4. If the inputs are valid, the supplement will be created.

Add a new weekly supplement

1. To add a new weekly supplement, enter the digit 3.
2. A list of existing supplement types will show up. Enter a supplement name from the existing supplement names.
3. Enter year, month, and day of the published date of the weekly supplement.
4. Enter heading, content, and author of the weekly supplement.
5. If you would like to include it in a magazine, enter ‘y’. Otherwise, enter ‘n’. If the option entered is ‘n’, the weekly supplement will only be stored in the array.
6. If the option entered is ‘y’, you have to select the published year, month, and week of the magazine. Year, month, and day of a weekly supplement’s published date are not necessarily related to the year, month, and day of a magazine’s published date.
7. If the magazine is not created yet for the specified year, month, and week, a new magazine object will be created and you have to enter its day of published date.
8. The magazine object will be created with empty heading and main part and the new weekly supplement will be added onto it.

For the remaining options, these data has been generated by the client program and could be used :

Dummy data of paying customers

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | First Name | Last Name | Email Address | List of supplements | List of associative customers |
| 1 | Madyarini Grace | Ariel | madyagra@gmail.com | Beauty, Culinary, Anime, Traveling | reagannoel@gmail.com |
| 2 | Shauf | Khan | kh1234@yahoo.com | Anime | - |
| 3 | Momo | Taro | mom\_o@hotmail.com | Anime,  Beauty | siewcheong@kaplan.com  killuazoldyck@gmail.com  gonfreecs@gmail.com |

Dummy data of associative customers

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | First Name | Last Name | Email Address | List of supplements | Payer |
| 1 | Reagan | Noel | reagannoel@gmail.com | - | madyagra@gmail.com |
| 2 | Siew | Cheong | siewcheong@kaplan.com | Beauty, Culinary, Anime, Health and Fitness | mom\_o@hotmail.com |
| 3 | Killua | Zoldyck | killuazoldyck@gmail.com | Beauty, Culinary, Anime | mom\_o@hotmail.com |
| 4 | Gon | Freecs | gonfreecs@gmail.com | Culinary, Anime, Health and Fitness | mom\_o@hotmail.com |

Display the email text containing the magazine for the customer(s)

* + - 1. To display the email text containing the magazine for the customer(s), enter the digit 4.
      2. Type the desired email address for the customer or type ALL for all customers.
      3. If the email address has existed in the system, it will prompt for month and year of the magazine’s published date or email’s date. Otherwise, it will prompt for email address again.
      4. Four weeks of magazine will be displayed in form of four emails. The magazines also include their own weekly supplements. The weekly supplements shown are according to the customers’ supplement lists.

Display end of month email text for paying customer(s)

1. To display the end of month email text for paying customer(s), enter the digit 5.
2. Enter email address of the customer or type ALL.
3. If the email address entered belongs to an associative customer, there will be an error message.

Add a new customer

1. To add a new customer, enter the digit 6.
2. Enter the customer type: p for paying customer, a for associative customer.
3. Enter the email address of the new customer. It should not be used yet by the existing customers.
4. Enter first name and last name of the customer. They should not contain digits.
5. Enter desired supplement(s) for the customer. The customer can also have no supplements. Enter ‘DONE’ to finish.
6. For paying customer, payment details must be entered. Next, it will ask if the user wants to add any associative customer for this payer. If the option entered is ‘y’, the program will ask if this associative customer has existed in the system. If it has existed, it will prompt for the email address of this user. If the associative customer has no payer currently, the paying customer that has been created will be set as the payer. If it has, the program will confirm removal of the old payer.
7. For associative customer, the paying customer must already exist in the system. Once paying customer is selected for this associative customer, the creation is successful.

Remove an existing customer

1. To remove an existing customer, enter the digit 7.
2. Enter the email address of the customer to be deleted.
3. If it is a paying customer’s email address, the paying customer will be deleted and the associative customers’ payers will be set to none.
4. If it is an associative customer’s email address, the customer will be removed from his or her payer’s list of associative customer, if he or she has a payer.