

Electronic Services Protection

An application coded using Python which allows a user to view, search, add or remove, and calculate the total amount of the subscribed services.

```
[*] ELECTRONIC SERVICES & PROTECTION [*]  
  
Please enter your name: Nigel
```

In the main menu, the user is greeted based on the information provided in the welcome screen, and the date & time of the local machine is also obtained.

```
[*] ELECTRONIC SERVICES & PROTECTION [*]  
  
Please enter your name: Nigel  
  
=====
```

```
[**] WELCOME TO ELECTRONIC SERVICES & PROTECTION [**]  
=====
```

```
2023-06-06 22:13:28
```

```
Hello, Nigel! You are currently viewing the main menu.
```

```
1. Display our list of services  
2. Search for a service  
3. Display added services  
4. Add service(s)  
5. Remove service(s)  
6. Payment  
7. Exit Electronic Services & Protection
```

```
Please input your choice of action or select 7 to exit: 
```

Option 1 displays all available services.

```
[*] ELECTRONIC SERVICES & PROTECTION [*]

Please enter your name: Nigel

=====
[**] WELCOME TO ELECTRONIC SERVICES & PROTECTION [**]
=====
2023-06-06 22:13:28

Hello, Nigel! You are currently viewing the main menu.

1. Display our list of services
2. Search for a service
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4. Add service(s)
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6. Payment
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Please input your choice of action or select 7 to exit: 1

Thank you for selecting this option. Yes, we have the following service(s):
1. Firewall Service      :      $1.2k/year
2. Security Ops Centre  :      $4.2k/year
3. Hot Site              :      $8.5k/year
4. Data Protection       :     $10.0k/year
Enter the service 1-4 that you would like to add, 0 to stop: []
```

Any subscribed services will be shown to the user which includes the expiry date of the service correspondingly. Selecting option other 1-4 will notify the user it is an invalid choice.

```
Please input your choice of action or select 7 to exit: 1

Thank you for selecting this option. Yes, we have the following service(s):
1. Firewall Service      :      $1.2k/year
2. Security Ops Centre  :      $4.2k/year
3. Hot Site              :      $8.5k/year
4. Data Protection       :     $10.0k/year
Enter the service 1-4 that you would like to add, 0 to stop: 1
[Service option 1] subscribed successfully! Expiry Date: 2024-06-05

Enter the service 1-4 that you would like to add, 0 to stop: 2
[Service option 2] subscribed successfully! Expiry Date: 2024-06-05

Enter the service 1-4 that you would like to add, 0 to stop: 3
[Service option 3] subscribed successfully! Expiry Date: 2024-06-05

Enter the service 1-4 that you would like to add, 0 to stop: 4
[Service option 4] subscribed successfully! Expiry Date: 2024-06-05

Enter the service 1-4 that you would like to add, 0 to stop: 5
[Invalid choice! Please enter 1-4 or 0 to stop.]

Enter the service 1-4 that you would like to add, 0 to stop: []
```

Option 2 allows the user to search for available services using keyword search.

```
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Please input your choice of action or select 7 to exit: 2

Enter the keyword to search for a service:

xyz

[NO SERVICE FOUND MATCHING THE KEYWORD!]

Enter the service 1-4 that you would like to add, 0 to stop:

```
=====
[**] WELCOME TO ELECTRONIC SERVICES & PROTECTION [**]
=====
```

2023-06-06 22:37:34

Hello, Nigel! You are currently viewing the main menu.

1. Display our list of services
2. Search for a service
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Please input your choice of action or select 7 to exit: 2

Enter the keyword to search for a service:

s

Service ID: 1 Service Name: Firewall Service : \$1.2k/year

Service ID: 2 Service Name: Security Ops Centre : \$4.2k/year

Service ID: 3 Service Name: Hot Site : \$8.5k/year

Enter the service 1-4 that you would like to add, 0 to stop:

Option 3 allows the user to display the subscribed services in their cart.

```
=====
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Please input your choice of action or select 7 to exit: 3

Your subscribed services:
1. Service ID: 1      Service Name: Firewall Service : $1.2k/year      Expiry Date: 2024-06-05
2. Service ID: 2      Service Name: Security Ops Centre : $4.2k/year      Expiry Date: 2024-06-05
3. Service ID: 3      Service Name: Hot Site : $8.5k/year      Expiry Date: 2024-06-05
4. Service ID: 4      Service Name: Data Protection : $10.0k/year      Expiry Date: 2024-06-05
```

Option 4 allows a user to add any additional services.

```
=====
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Please input your choice of action or select 7 to exit: 4

Thank you for selecting this option. Yes, we have the following service(s):
1. Firewall Service      :      $1.2k/year
2. Security Ops Centre   :      $4.2k/year
3. Hot Site              :      $8.5k/year
4. Data Protection       :     $10.0k/year
Enter the service 1-4 that you would like to add, 0 to stop: 
```

Option 5 allows a user to remove any subscribed services.

```
=====
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6. Payment
7. Exit Electronic Services & Protection

Please input your choice of action or select 7 to exit: 5
Your subscribed services:
1. Service ID: 1      Service Name: Firewall Service
2. Service ID: 2      Service Name: Security Ops Centre
3. Service ID: 3      Service Name: Hot Site
4. Service ID: 4      Service Name: Data Protection
5. Service ID: 3      Service Name: Hot Site
Enter the index number of the service you want to remove, 0 to cancel: 5
Service 'Hot Site' (ID: 3) removed successfully!
```

Option 6 will add up the subscribed services, as an additional feature, if a user selects all 4 services, they will get a 10% discount.

```
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7. Exit Electronic Services & Protection

Please input your choice of action or select 7 to exit: 6

Total payment amount: $21.51k/year

Congratulations! You have selected all subscriptions and received a 10% discount.
```

Option 7 exits the application.

```
Hello, Nigel! You are currently viewing the main menu.
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1. Display our list of services
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5. Remove service(s)
6. Payment
7. Exit Electronic Services & Protection

```
Please input your choice of action or select 7 to exit: 7
```

```
Thank you for using Electronic Services & Protection. It has been a pleasure serving you!
```