

SCHOOL OF COMPUTING UNIVERSITI UTARA MALAYSIA

STIA1123 PROGRAMMING 2

PROJECT (30%)

FIRST SEMESTER SESSION 2019/2020 (A191)

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Date of Submission :

Background of Our Topic

The COVID-19 pandemic in Malaysia is part of the ongoing worldwide pandemic of coronavirus disease 2019 (COVID-19) caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). The virus was confirmed to have reached Malaysia in January 2020, when it was travellers from China arriving via Singapore on 25 January, following the outbreak of COVID-19 in Hubei, China. Reported cases remained relatively low and were largely confined to imported cases, until localised clusters began to emerge in March; the largest cluster was linked to a Tablighi Jamaat religious gathering held in Sri Petaling, Kuala Lumpur in late February and early March, leading to massive spikes in local cases and an exportation of cases to neighbouring countries. Within a few weeks, Malaysia had recorded the largest cumulative number of confirmed COVID-19 infections in Southeast Asia, breaching the 2,000 active cases mark by the end of March, from fewer than 30 cases at the beginning of the month. By 16 March, the virus was reported in every state and federal territory in the country. The virus has affected almost every country on the planet (213 in total), spread to more than 2 million people, and caused around 130,000 deaths. Currently, most countries have tried to fight the spread of the virus with massive COVID-19 screening tests and establishing public policies of social distancing. It is clear that the priority revolves around people's health.

In Malaysia, all the place must have a Standard Operating Procedure (SOP) during the pandemic of COVID-19. Our government announced that all the place must have SOP is because we need to avoid and reduce our Malaysian people affected by the pandemic of COVID-19. If all the place without SOP, Royal Malaysia Police (PDRM) will take the action to penalize the place and to stop the operating the place. So, all the place must have SOP to operating as usual and to take good care to our residents. All the place including University, Building, House and Golf Club.

For University must have a SOP. The SOP of the visiting house is like below:

- 1. Students and lecture must wear mask when they inside the campus except in their hostel.
- 2. Students only allow attendance online class and no allow go to class.
- 3. Students and lecture need to pass the check of body temperature before go in to campus.
- 4. Students and lecture who having the symptoms of COVID-19 such as fever, cough and shortness of breath are no allow back to campus.
- 5. Student need to apply and wait their university approve the request for back to campus.
- 6. Student and lecture need to follow the social distance when they eating inside the cafe.
- 7. The activities which over 20 person are not allow to run.
- 8. During this period, extracurricular activities and sport activities are not allowed.

For House must have a SOP. The SOP of the visiting house is like below:

- 1. The visitor must wear a mask when visit other peolpe house.
- 2. The visitor must sanitizer their hand when visit other people house.
- 3. The house owner must check the visitor's body temperature.
- 4. The house owner and visitor must have the social distancing to communicate.
- 5. Maximum 20 visitor can visit house with the condition must have the relationship between the house owner.
- 6. If the visitor having a close contact with the positive COVID-19 patient, try to avoid visit to the place.
- 7. If the visitor having the symptoms of COVID-19 such as fever, cough. sore throat, shortness of breath or gastrointestinal Symptoms, avoid to visit and just stay at home.

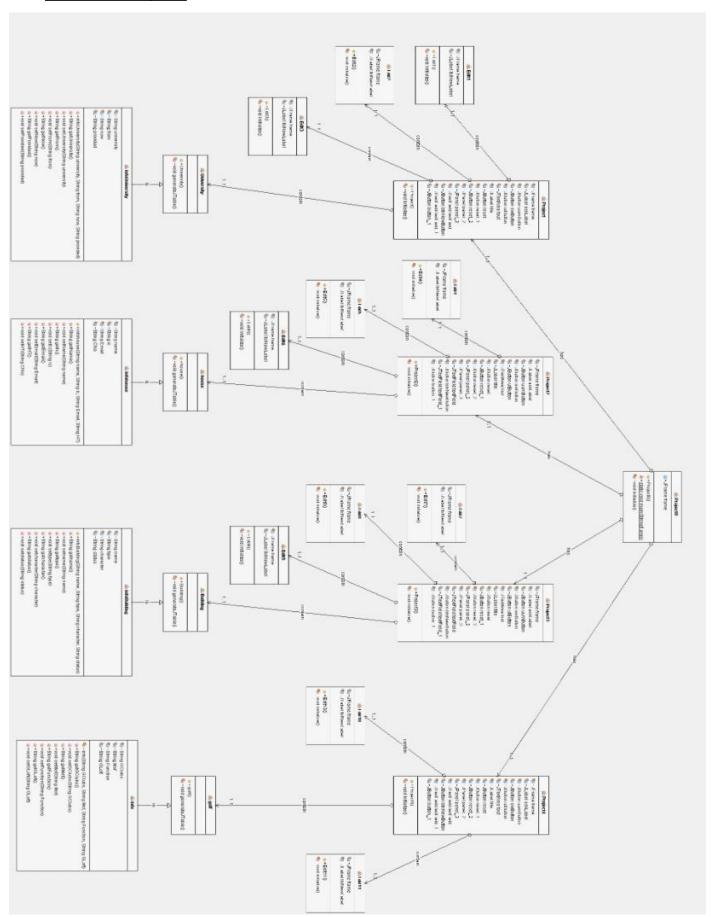
For Building must have a SOP. The SOP of the visiting house is like below:

- 1. Provide thermal scanner and measure symptoms of cough, sore throat or shortness of breath every day at building entrances
- 2. Observe strict personal hygiene practices with wearing masks
- 3. Maintain a physical space of 1 meter apart
- 4. Large gatherings are still not permitted
- 5. Implementing a no handshake policy
- 6. Regularly disinfect the building and equipment.
- 7. Implement required sanitization and measures body temperature at the entrances
- 8. Regular disposal of rubbish
- 9. Adequate liquid soap supplies
- 10. Ensure precautionary measures are taken during indoor activities
- 11. Places of worship and religious activities are allowed with maximum 20 people
- 12. Maintain the ventilation system of building to ensure it operates effectively and efficiently

For Golf Club must have a SOP. The SOP of the visiting house is like below:

- 1. Always maintain a distance of at least 2 meters from others (one flagstick length).
- Clubhouse access and entrance points shall be limited to one entry and exit point. All cubs shall map out flow and plan for customer/employee access to each facility to minimize touch points.
- 3. Alcohol-based hand sanitizer will be available outside of washrooms and in public areas
- 4. Bag service will not be available. Golfers shall load/unload their own golf bags on to carts.
- 5. All golf carts shall be limited to one rider only, except where two riders live in the same household.
- 6. No sand/seed bottles shall be provided in carts or elsewhere on the property.
- 7. Employees will clean and disinfect all golf and push carts before and after use.
- 8. Designated cart staging areas shall be created for the safe return of carts using physical barriers or signage.

UML Class Diagram.



Program Descriptions- University



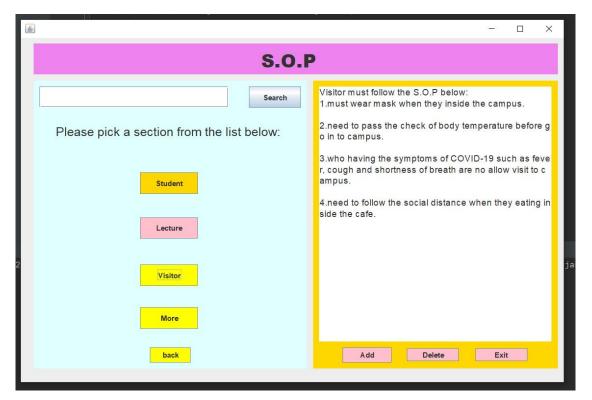
1. The main menu of place

2. The SOP of Student will show after select "Student" button.

3.



- 3. The SOP can be delete with click "delete" button.
- 4. The SOP of Visitor will show after select "Visitor" button.



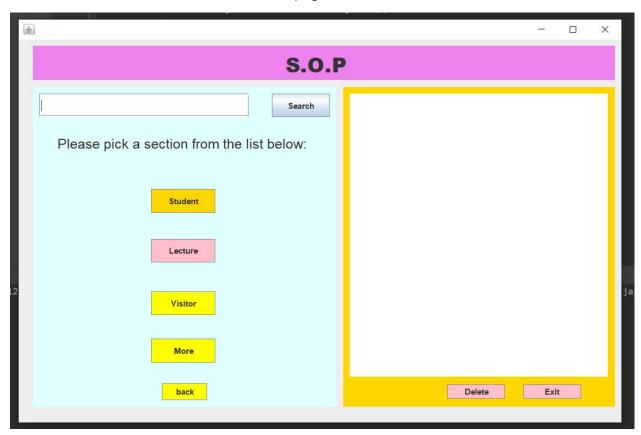
5. The SOP will display with click "Display" button.



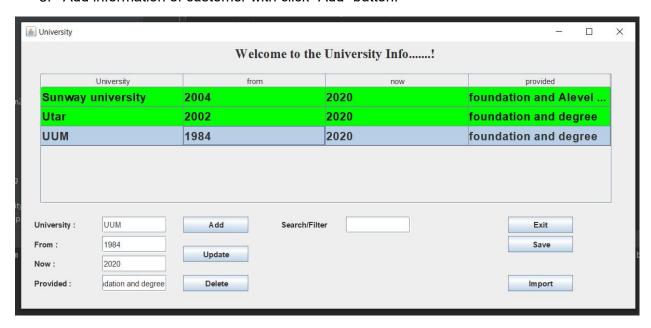
6. The SOP will show success add after click "Update" button.



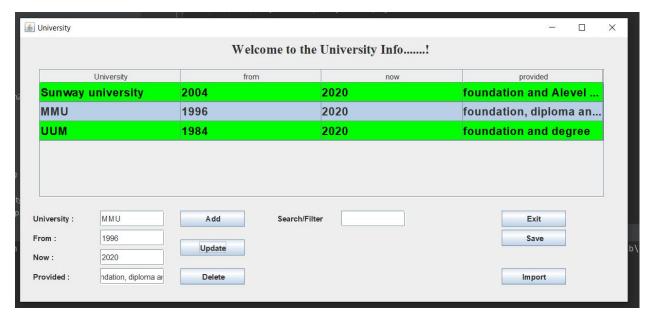
7. After click "Back" button, will return to list page.



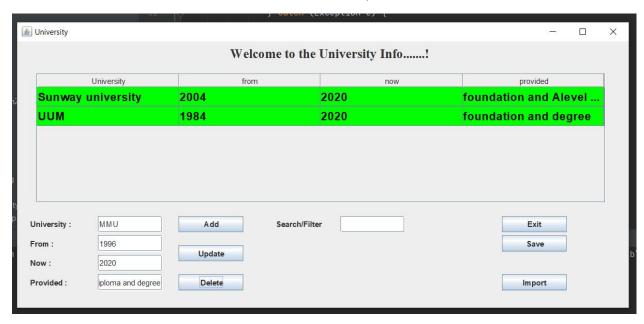
8. Add information of customer with click "Add" button.



9. Update the information of customer with click "Update" button.



10. Select information of customer that want delete, then click "Delete" button to delete.



11. Search the information in the "Search/Filter" button.

University				
		Weld	come to the University Info	!
	University	fron	n now	provided
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niversity :	мми	A dd	Search/Filter 2004	Exit
111	MMU 1996	A dd	Search/Filter 2004	Exit Save
rom :		Add Update	Search/Filter 2004	
Iniversity : rom : low : rovided :	1996		Search/Filter 2004	

12. The information of customer will be saved after click "Save" button.



13. The previous information of customer will show with click "Import" button.



14. The user can exit the page with click "Exit" button.

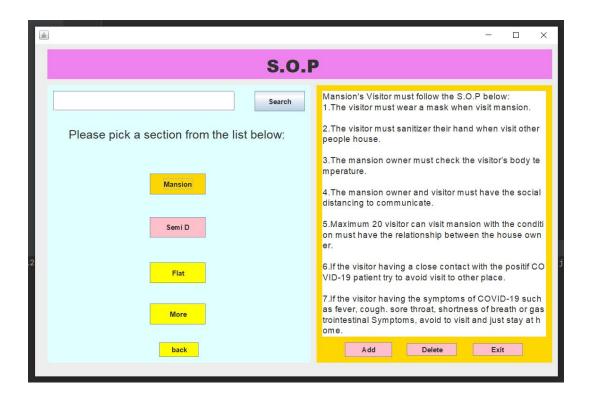


Program Description - House

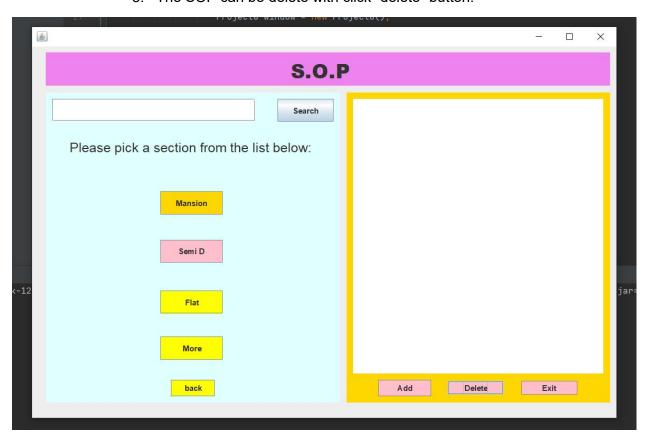


1. The main menu of place

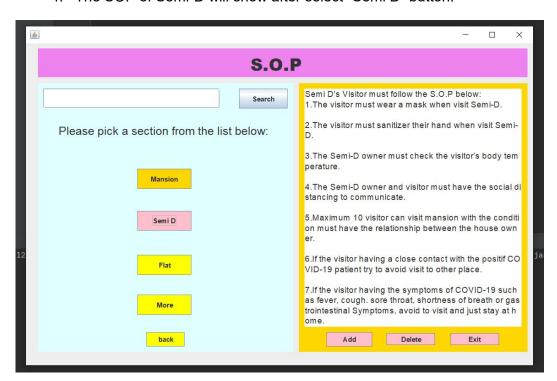
2. The SOP of Mansion will show after select "Mansion" button.



3. The SOP can be delete with click "delete" button.

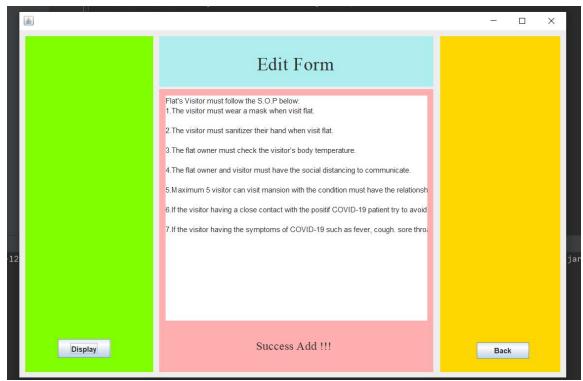


4. The SOP of Semi-D will show after select "Semi D" button.



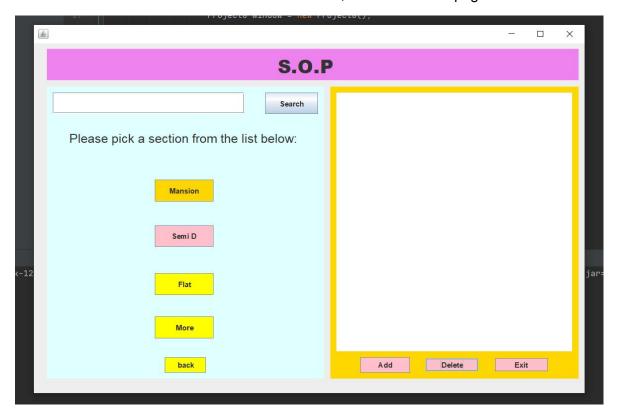
5. The SOP will display with click "Display" button.





6. The SOP will show success add after click "Update" button.







8. Add information of customer with click "Add" button.

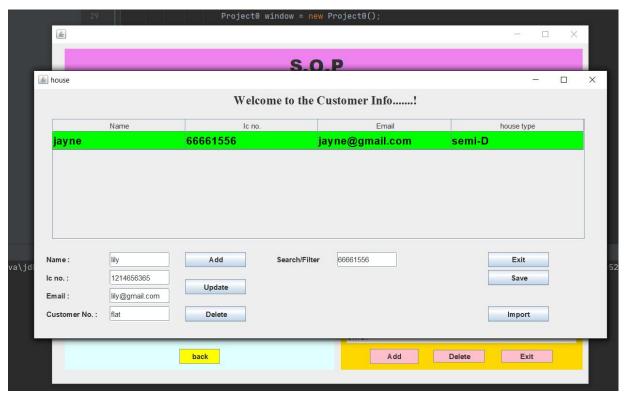
9. Update the information of customer with click "Update" button.



10. Select information of customer that want delete, then click "Delete" button to

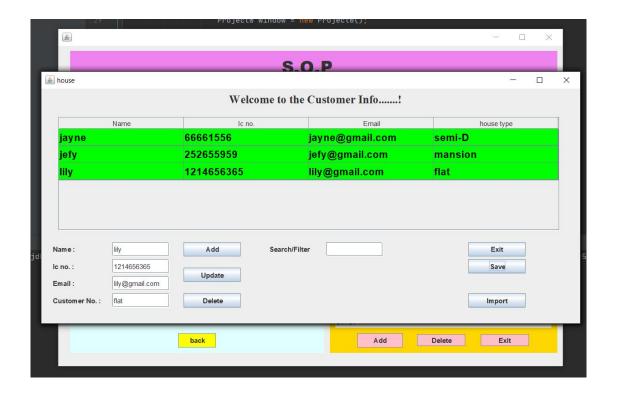


delete.

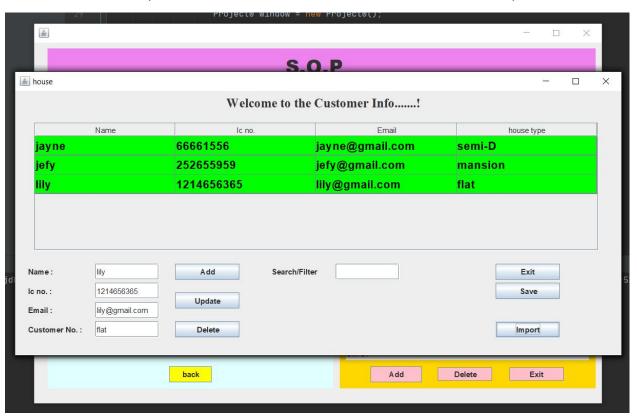


11. Search the information in the "Search/Filter" button.

12. The information of customer will be saved after click "Save" button.



13. The previous information of customer will show with click "Import" button.



14. The user can exit the page with click "Exit" button.

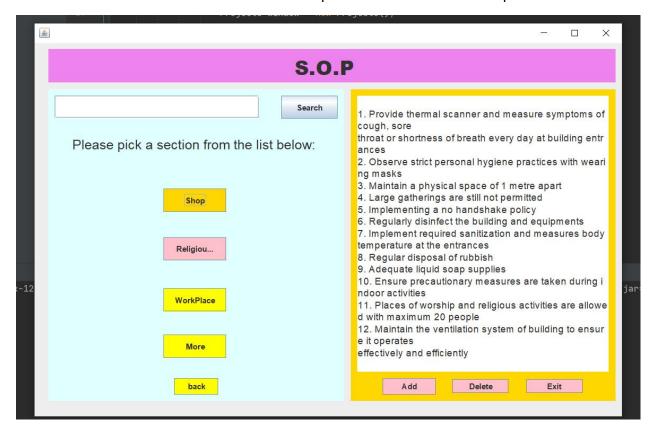


Output of Building

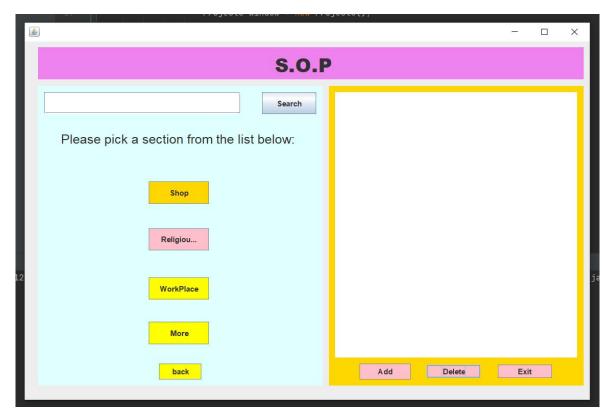


1. The main menu of place

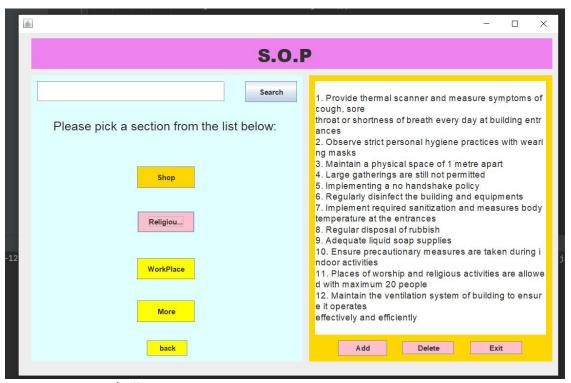
2. The SOP of Shop will show after select "Shop" button.



3. SOP can be delete with click "delete" button.



4. The SOP of Religious Sites will be show after select "Religious Sites"

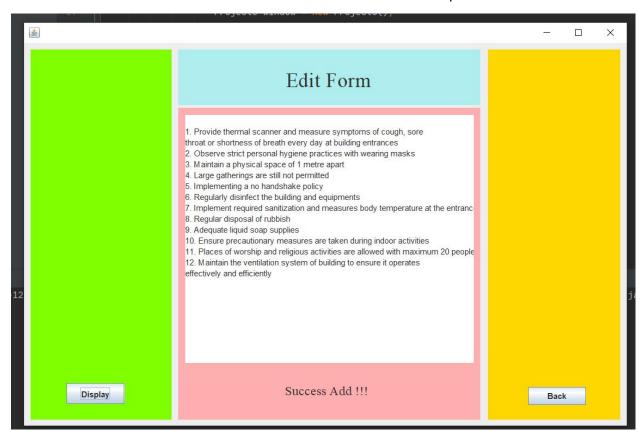


button.

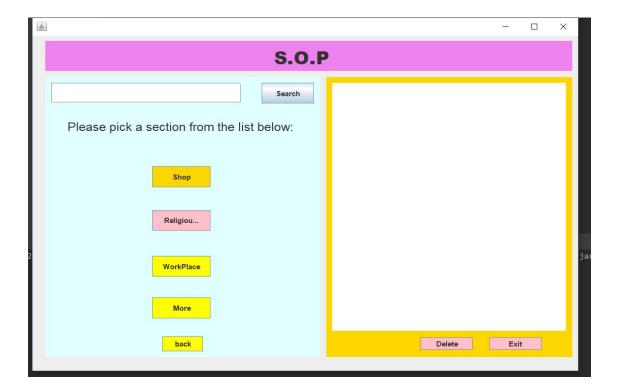
5. The SOP will display with click "Display" button.



6. The SOP will show success add after click "Update" button.



7. After click "Back" button, will return to list page.



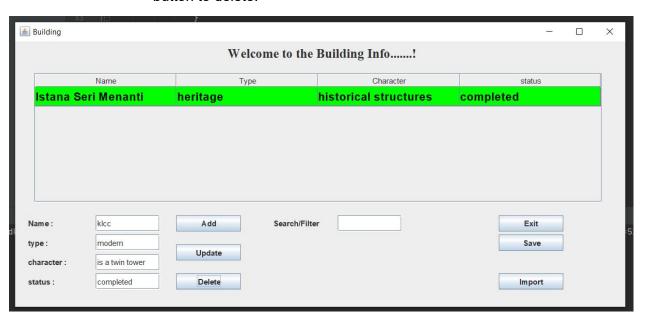
8. Add information of building with click "Add" button.



9. Update the information of building with click "Update" button.



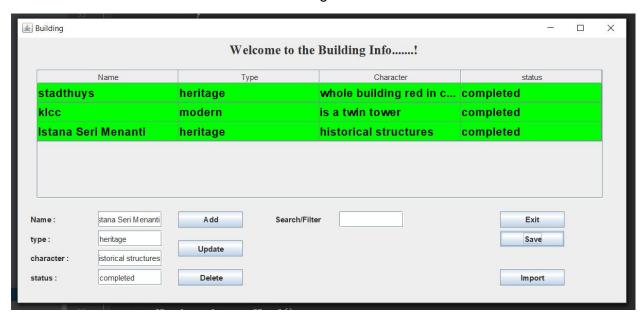
10. Select information of building that want delete, then click "Delete" button to delete.



11. Search the information in the "Search/Filter" button.



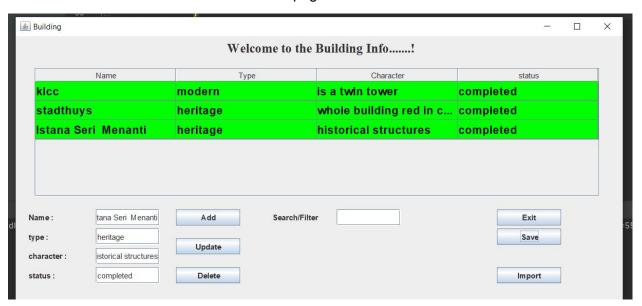
12. The information of building will be saved after click "Save" button.



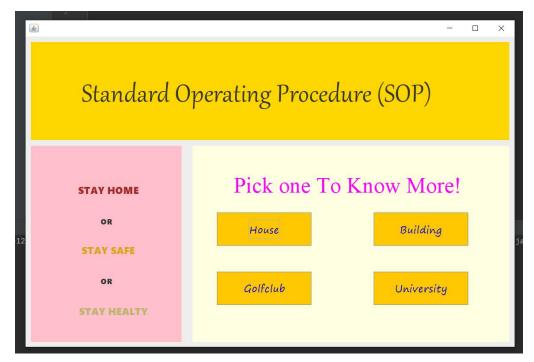
13. The previous information of building will show with click "Import" button.



14. The user can exit the page with click "Exit" button.

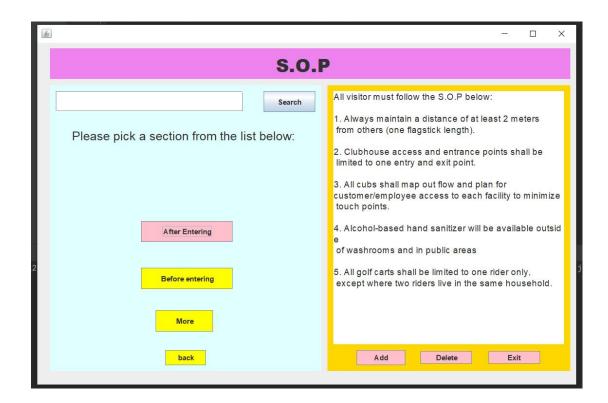


Output of Golf Clubs

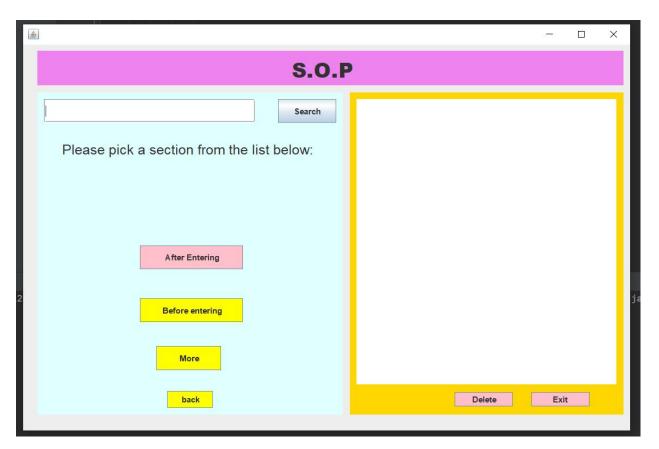


1. The main menu of place

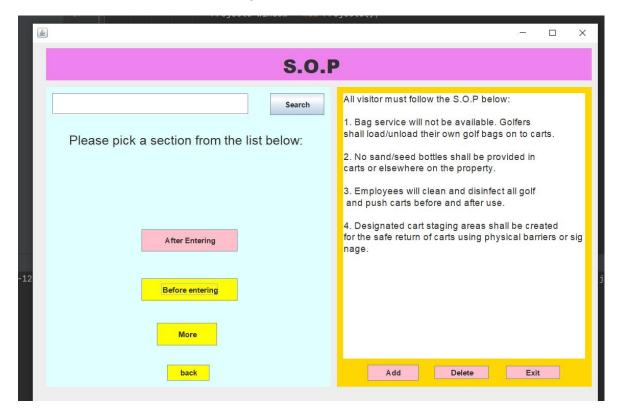
2. The SOP after entering golfclub will show after select "After Entering" button.



3. SOP can be delete with click "delete" button.



4. The SOP before entering golfclub will show after select "Before Entering" button.



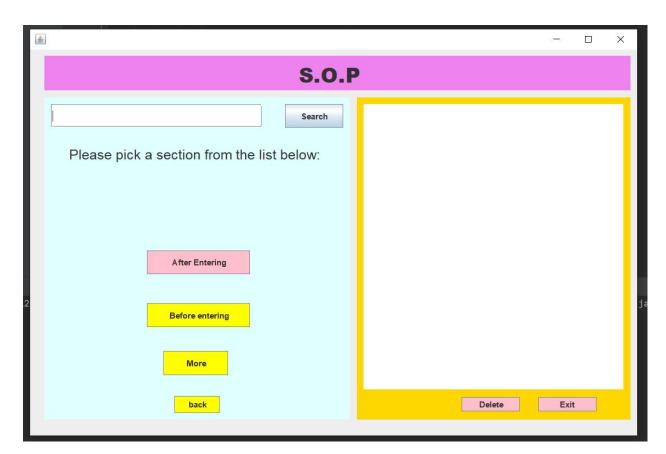
5. The SOP will display with click "Display" button.



6. The SOP will show success add after click "Update" button.



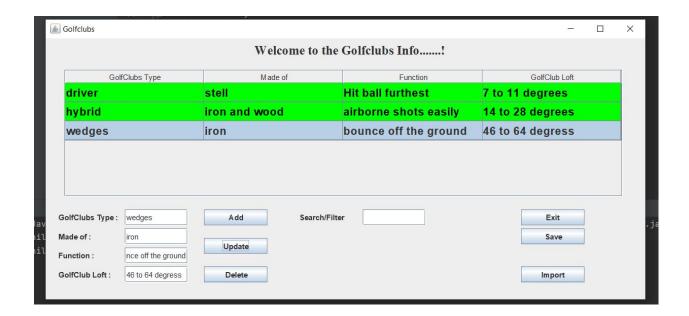
7. After click "Back" button, will return to list page.



8. Add information of golfclubs with click "Add" button.



9. Update the information of customer with click "Update" button.



10. Select information of golfclubs that want delete, then click "Delete" button to delete.





12. The information of golfclubs will be saved after click "Save" button.





14. The user can exit the page with click "Exit" button.



Source Code

Frame (University) Code

https://github.com/youwah/Project/blob/master/Frame(University)

Frame (House) Code

https://github.com/youwah/Project/blob/master/Frame(Housee)

Frame (Building) Code

https://github.com/youwah/Project/blob/master/Frame(Building)

Frame (Golf Club) Code

https://github.com/youwah/Project/blob/master/Frame(GolfClub)

Info University Code

https://github.com/youwah/Project/blob/master/Info%20University

Info House Code

https://github.com/youwah/Project/blob/master/Info%20House

Info Building Code

https://github.com/youwah/Project/blob/master/Info%20Building

Info Golf Club Code

https://github.com/youwah/Project/blob/master/Info%20Golf

University (add) Code

https://github.com/youwah/Project/blob/master/University(add)

House (add) Code

https://github.com/youwah/Project/blob/master/House(add)

Building (add) Code

https://github.com/youwah/Project/blob/master/Building(add)

Golf Club (add) Code

https://github.com/youwah/Project/blob/master/GolfClub(add)

Edit 1

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Edit 2

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Edit 11

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