

CPT 208 Individual Project
Coursework/Assignment Submission Form

2020/21 Semester 2
Bachelor's degree – Year 3

Module Code	Module Leader	Module Title
CPT208	Lingyun Yu	Human-Centric Computing

Section A: Your Details

To be completed by the student (in English using BLOCK CAPITALS)

Student's Name	Yuxuan.Ren
Student ID	1823678

Section B: Assignment Details

To be completed by the student (in English using BLOCK CAPITALS)

Coursework Assignment Number	COURSEWORK 3
Coursework (assignment) Title	GUI INTERFACE
Method of Working	INDIVIDUAL
Date and time of submission	23:59 Friday May 28

Assignment details can be found in the assignment description.

Section C: Statement of Academic Honesty

To be completed by the student

By submitting this coursework for assessment, you are confirming that you have read and understood the University's policy on plagiarism and collusion and that the submitted work is your own.

- (i) I confirm that I have read a copy of the current University's definitions of collusion and plagiarism on coursework and academic honesty, and that I fully understand the meaning of these terms.
- (ii) I confirm that the submitted coursework has been created solely by me and that I have not been assisted, nor have copied part or all of somebody else's work, either with their explicit approval or without their knowledge or consent.
- (iii) I confirm that this is my own work and that use of material from other sources, including the Internet, has been properly and fully acknowledged and referenced.
- (iv) I confirm that the information I have given is correct to the best of my knowledge.

Student's signature	Yuxuan.Ren	Date	2021.5.27
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If this form is submitted electronically, please type your name in English (BLOCK CAPITALS)

Report

Introduction

The interface can be divided into mainly two parts. One is the toolbar on the left. The other is the display space. When program starts, user is on “Booking” page. A default hotel will be displayed. User can view other hotels by moving the mouse onto the map. By clicking the hotel, the full information will be displayed. He can just click the button and start booking. After filling all the information and submit, user can view and delete his reservations on “My Reservation” page.



Design Principles

1. Provide Help. There is a help button to give a brief procedure on booking a hotel. Also, below the map, a tip reminds user that the map is interactive.
2. Provide clearly marked exits. There is an obvious exit button in toolbar to close the system. Also, when filling the booking information, user can press “Discard” to cancel recent booking easily.
3. Be consistent. If a component is clickable, it will be designed as a button or the cursor will be hand-shaped when move onto it.
4. Do not surprise user. The program always behaves predictably since every component is consistent at any time.

5. Provide undo functionality. User can reset the recent booking info and fill in again by clicking “Reset” button.
6. Deal with error in a positive manner. About booking, if user forgets to fill in all the information, or if user breaks the relationship ($\text{date today} \leq \text{start date} \leq \text{end date}$), or if the phone number is not exactly 11 digits, a window will pop up to notice the user. Also, for phone number field, any non-digit input will be ignored.
7. Provide feedback. When user submits booking successfully or deletes a reservation successfully, pop-up windows will provide user messages.
8. Minimize user’s memory load. The number of rooms left will be displayed beside the radio buttons. And the maximum value of “Number of Room” field is based on the number of rooms left. It is dynamically generated after user selects the room type. Also, the date on the left bottom corner will notice users the current date. What’s more, there is a statistical data below the reservation table.
9. Simple and natural dialog, mental model. If there is no room left, the related radio button will be unclickable. And if user has made no reservation, the “Remove” button is unclickable.
10. Structure the interface. All related components are put in one panel.