

// No Comment
Hotel Management System
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Introduction

The software is a Hotel Management System. This software will allow hotel owners and employees to properly operate and function a Hotel according to their desires. This software will benefit not only the hotel owners and employees but also the hotel customers as well. It will provide hotel customers the accessibility to book a room, order room service, and much more with just a few clicks of a button. The goals of this software is to provide an easier and more efficient process to manage a hotel from both the owner and consumer sides.

The Hotel Management System is a software that represents fundamental operations necessary to manage a Hotel but with a more efficient and easier approach.

The Hotel Management System is fully functional and independent software for the use of Hotel owners, employees, and customers to improve customer satisfaction and hotel profit.

The Hotel Management System requires users to operate the software through the use of the graphical user interface. Owners, employees, and customers will be able to complete the necessary tasks to manage the hotel through the user interface.

The graphical user interface is not specific for each individual but rather synonymous for owners, employees, and customers alike. Any individual will be able to order room service or book a particular room and reserve the room for a particular price.

This Hotel Management System has no hardware interface requirements.

The Hotel Management System requires a database component. Communication with the database is through ODBC connections. The preferred database is SQLite.

The Hotel Management System allows users to operate the following functions:

- Reserve Rooms – User can reserve a room for a price
- Payment – User can pay for the services provided by the Hotel
- Order Room Service – User can order room service
- Check-in – User can check-in customers in the Hotel
- Check-out – User can check-out customers from the Hotel

The Hotel Management System requires a database of the user's preference.

Requirements Elicitation & RTM



The techniques used for requirement elicitation:

Domain analysis: Analyzing general and specific requirements for our Hotel Management System.

Requirement Collection: The Hotel Management System is designed according to the requirements of the users of HMS, such as Customers, employees etc.

Organizing requirements: The Hotel Management System is prioritized and arranged the requirements in order of importance and convenience of customers.

Documentation: All functional and non-functional requirements are documented.

Requirement Checking: Requirements are checked according to the customer's needs.

Hotel Management System (HMS)

HMS-1.0 INTRODUCTION

A Hotel Management System (HMS) mainly emphasizes on reservation management such as check-in and check-out process. The software will also include room service scheduling and a baggage delivery service. The software will focus on providing a friendly and intuitive user interface supplying all the functions necessary to running a successful hotel.

HMS- 2.0 MONITORED DATA

For each hotel room, software shall monitor the hotel rooms

1. The room management system shall be usable by hotel employees, administrators and guest.
2. Guests shall be able to check hotel room availability.
3. There shall be dynamic number of types of rooms to choose from.
4. Administrator shall set room properties.
5. Guest shall order for room services.
6. Guest information shall link to room.
7. It shall display all kind of Room service fees.

HMS-3.0 OBTAINED DATA

The software shall obtain Guest's information if it is not already in the system.

1. Guest First Name
2. Guest Last Name
3. Date of Birth
4. Guest Address
5. Guest ID
6. Guest E-mail
7. Guest Billing
8. Guest additional fees if applicable
9. Guest baggage information
10. If Guest books room for a future date, the HMS shall require credit card.
11. If Guest fails to show up on certain date/time which mentioned in booking, HMS shall charge penalty fee.
12. If Guest provide Credit Card for bill, the HMS shall save on system for future transaction
13. Administrator shall access to all current and previous data.

HMS-4.0 INVOICE SYSTEM

The software shall monitor Guest billing and additional charges based on guest's room number.

1. HMS shall display the billing information.
2. HMS shall display payment type.
3. HMS shall acknowledge of additional charges on room from services
4. HMS shall allow charge for room damage.
5. The system shall require guest to checkout by 12:00 noon.
6. The system shall have printing or e-mailing billing information

HMS-5.0 PRICING SYSTEM

The HMS shall allow administrator to set and change prices of room or other services.

1. Hotel rooms shall be individually priced by room category.
2. Services offered by the hotel shall be priced and managed by administrator.
3. Any discount feature shall require an approval from administrator for employees to apply.
4. Administrator shall have access to apply discounts to services and rooms.

HMS-6.0 ADDITIONAL ROOM SERVICE

Guest shall order for additional room services such as ordering food in room, HMS shall include additional charges for that room.

HMS-7.0 SECURITY

The HMS shall protect sensitive data such as credit card information, management information, and so on.

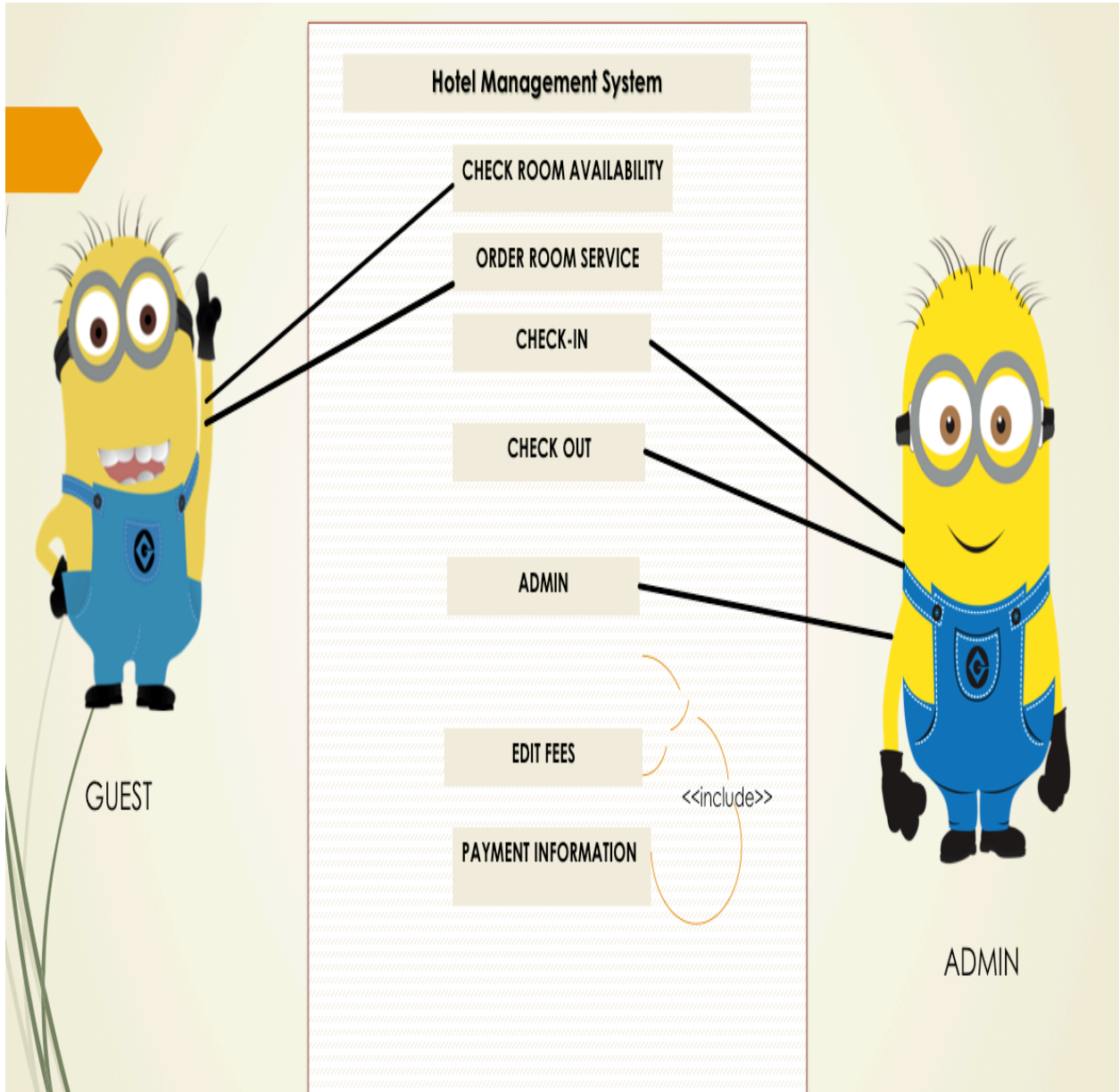
HMS-8.0 LOGIN PROCESS

The Login Menu shall manage different criteria for Administrators, employees, and Guests

1. The system shall have Hotel Employee accounts.
2. The system shall have Hotel Administrator accounts.
3. The system shall have Hotel Guest accounts.
4. The system shall have deletion option for accounts.
5. The system shall have setting password and user ID for creating accounts.

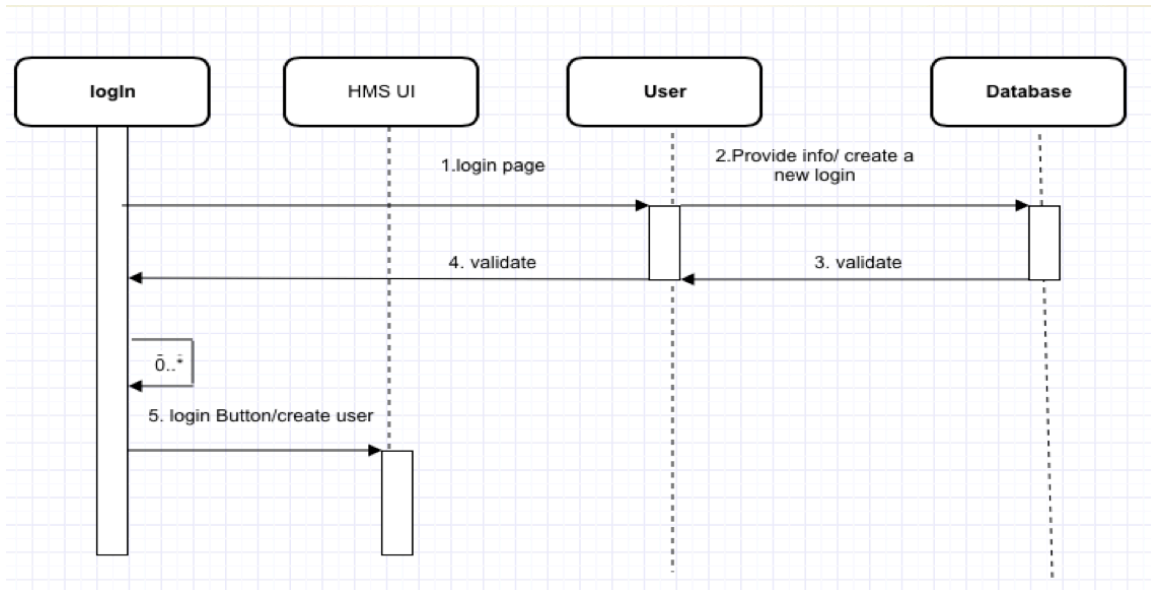
Entry #	Para #	HMS Text	Type	Build
1	2	Software shall monitor all data and information of HMS	SW	B1
2	2	Guest shall check room availability	SW	B1
3	2	Guest shall order room service	SW	B1
4	2	Shall display all kind of room service fees	SW	B1
5	3	Shall obtain Guest Name	SW	B1
6	3	Shall obtain Guest Information	SW	B1
7	3	Shall obtain Guest baggage information	SW	B1
8	4	Shall obtain Guest payment information/method	SW	B1
9	5	Shall display room pricing	SW	B1
10	8	System shall have employee accounts	SW	B1
11	8	System shall have administrator account	SW	B1
12	8	System shall have guest account	SW	B1

Use Cases

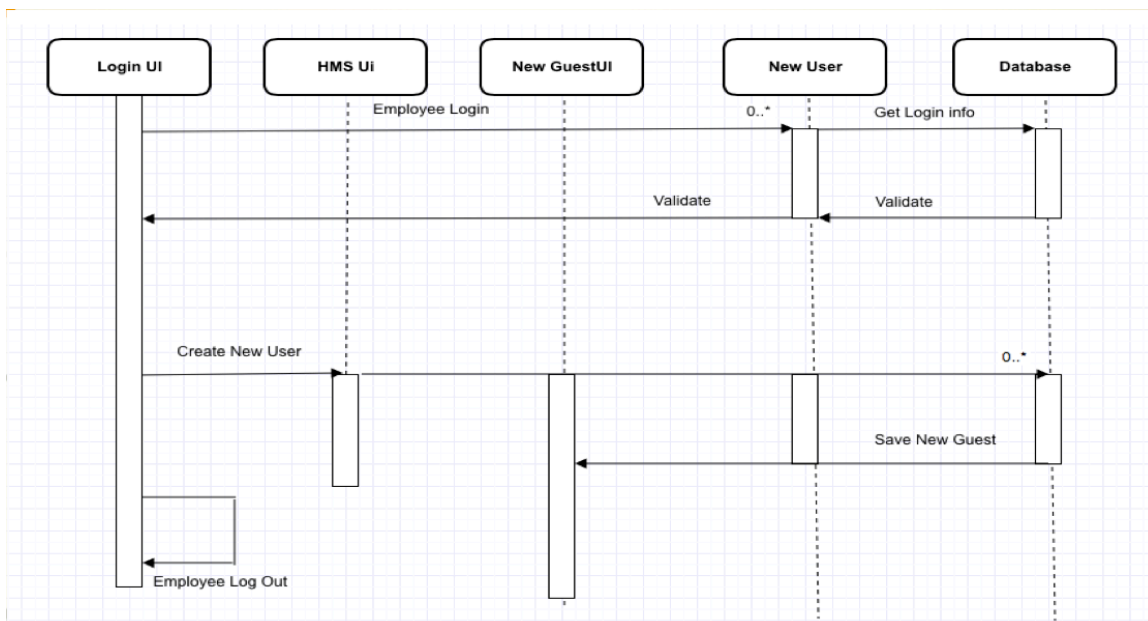


Sequence Diagrams

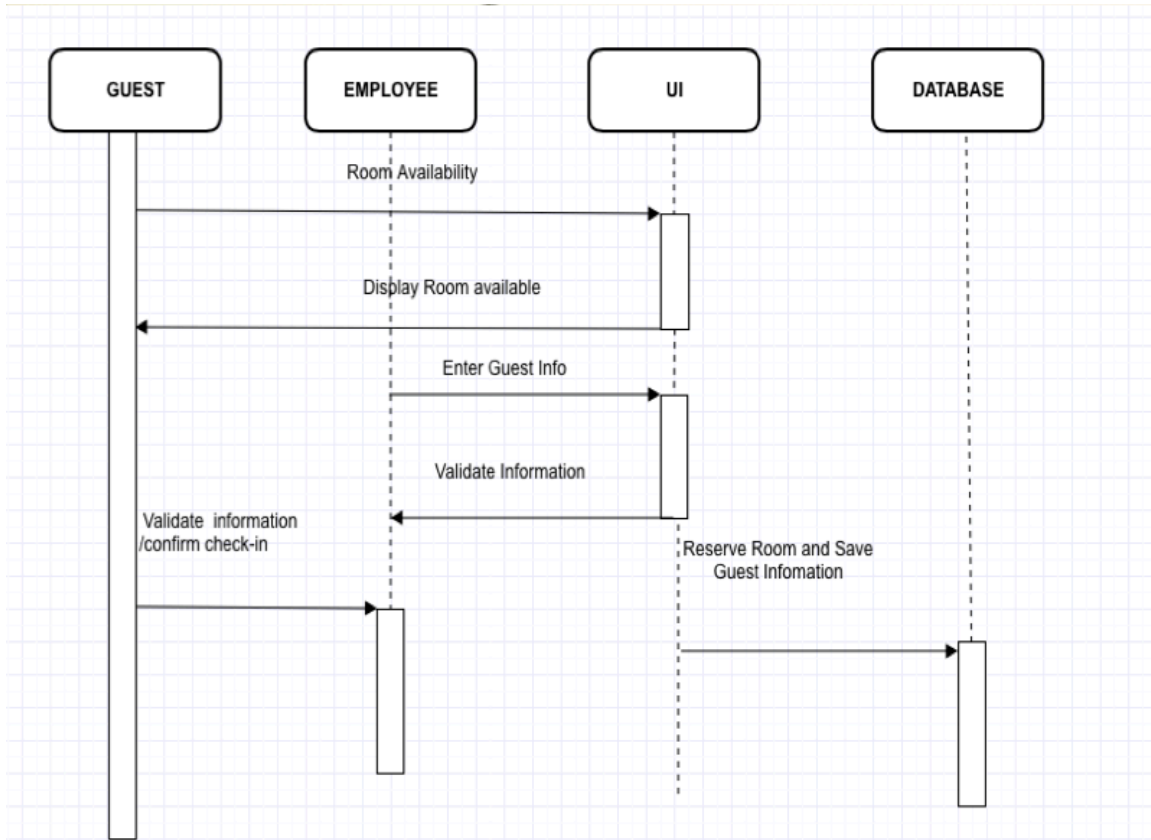
Login Diagram



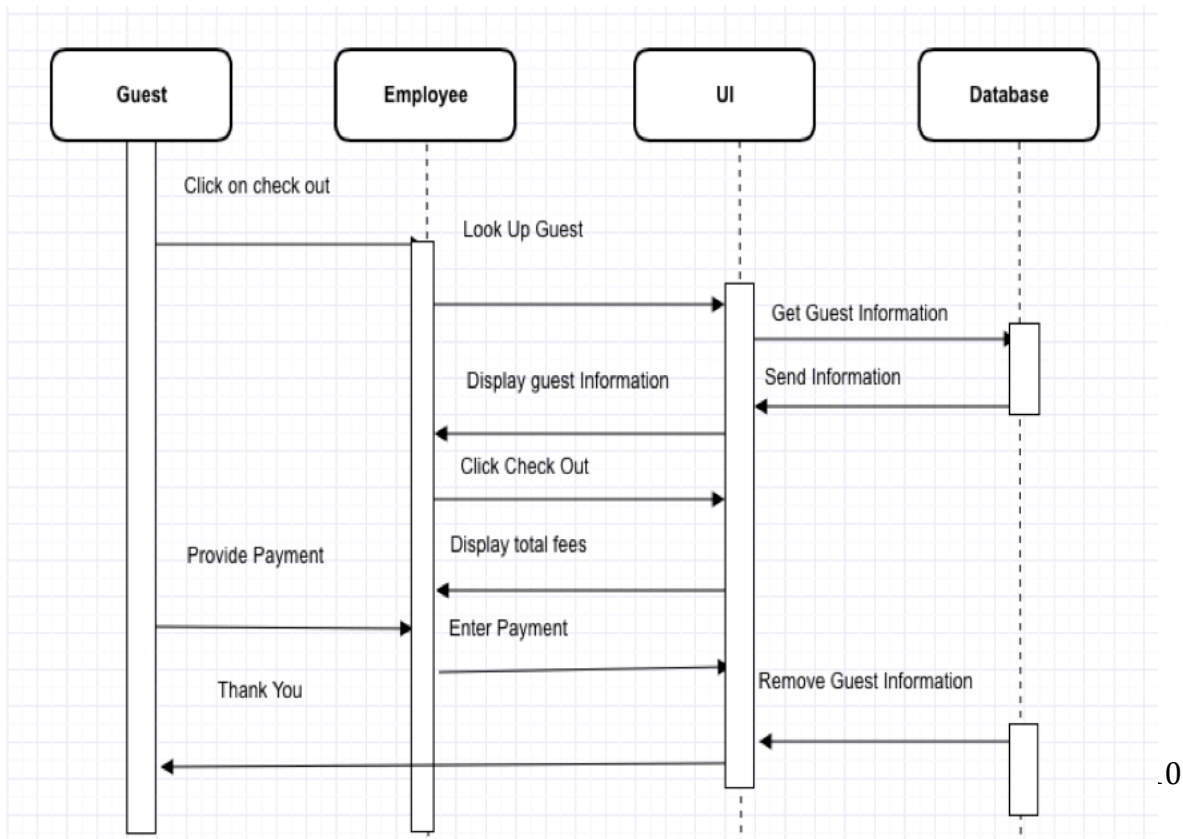
Create New User



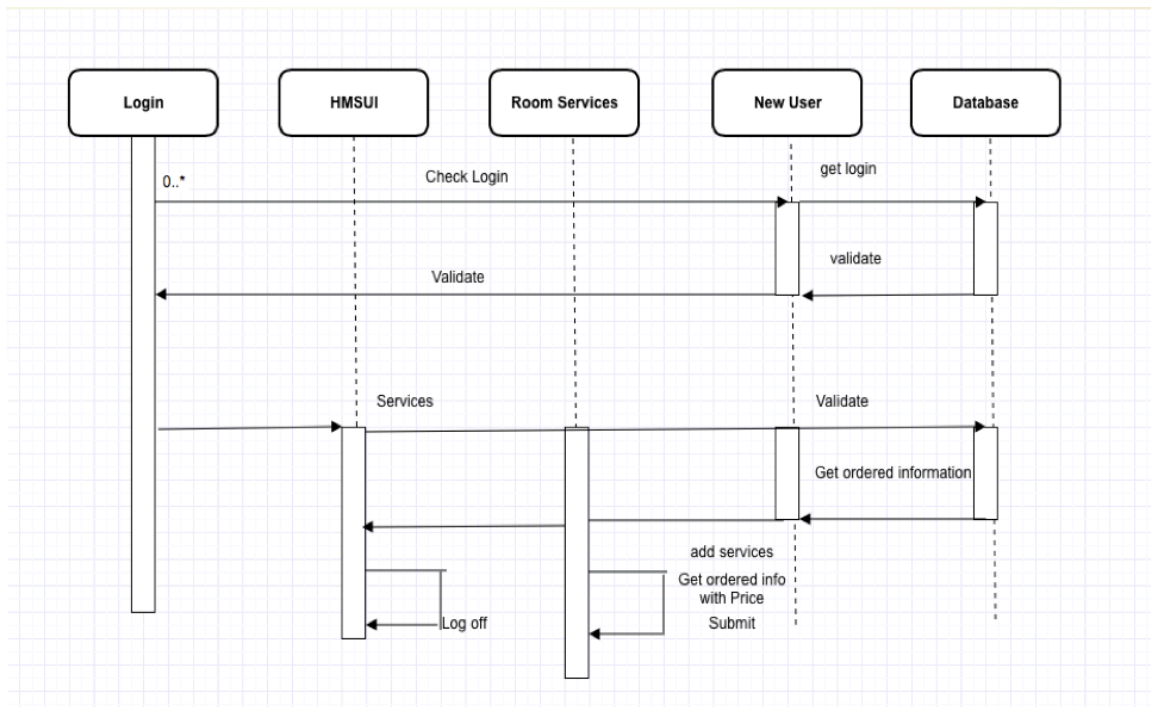
Check In



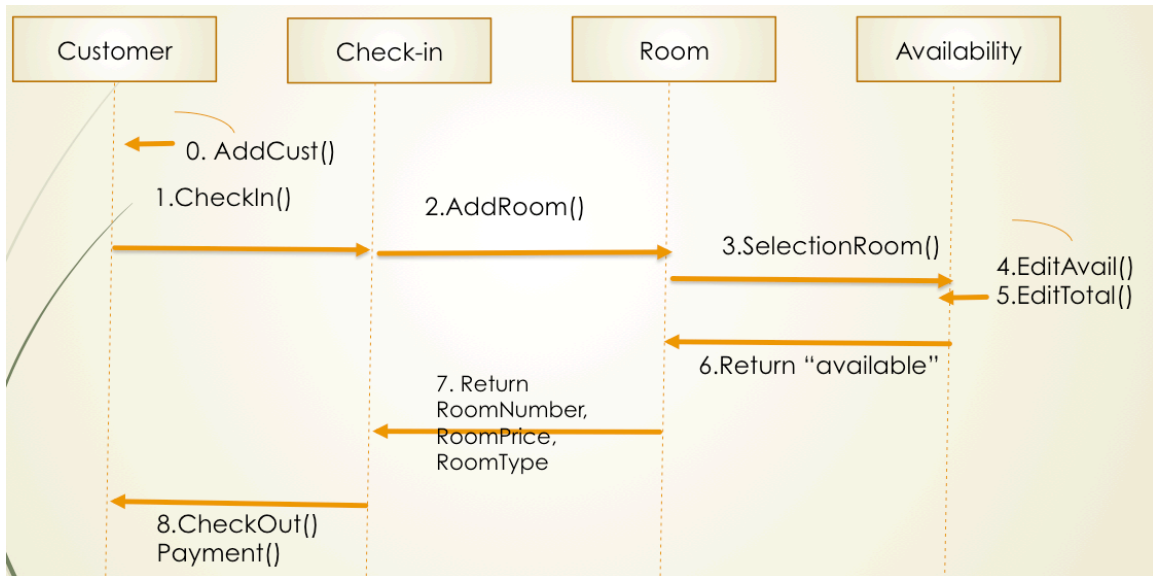
Check Out



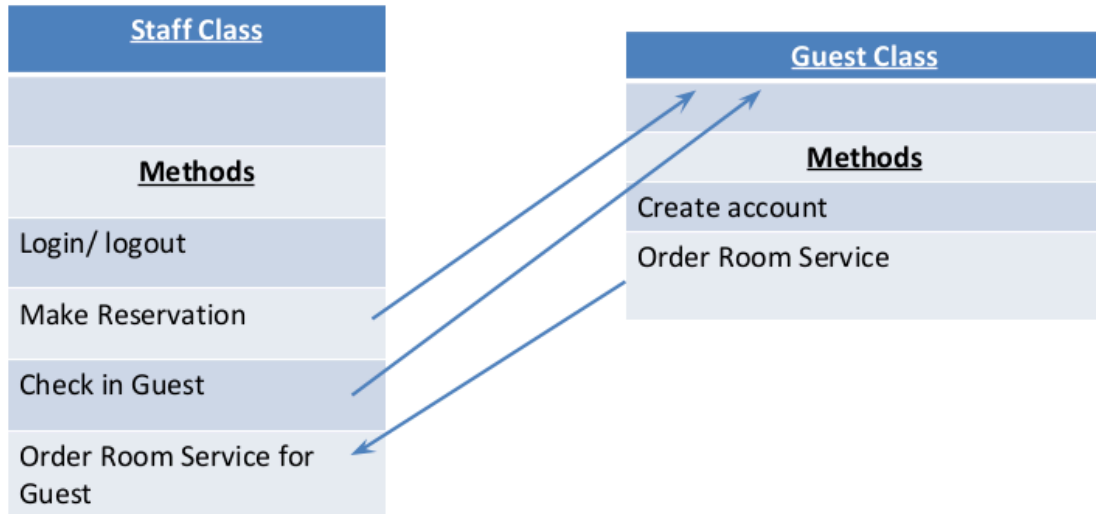
Room Service



Category Interaction Diagram



Object Design



Test Cases

1. Test Case Identifier: **Login**

Feature to be Tested: If the customer can utilize their own personal account in order to book a room for a specific duration.

Feature Pass/Fail Criteria: The test passes if the customer can use their log-on credentials and the software returns their account.

Means of Control: The **CreateAccount()** method has been called and executed.

Test Procedure: After the customer has created their own personal account, they will navigate to the log in page. They will then enter the their custom userID and password in order to gain access to their person account.

Special Requirements: In order for this test to be successful, the customer must have previously created an account.

2. Test Case Identifier: **SelectInDate**

Feature to be Tested: Whether the customer can select a desired date to check-in.

Feature Pass/Fail Criteria: The test passes if the customer is able to select a date and that date be stored in the database.

Means of Control: The **Login()** method is called via a driver *Customer*.

Test Procedure: The test is started by the customer logging into their account. The customer then selects the first option available that is "Select Check-in Date". The customer will be able to select the desired date via a calendar.

Special Requirements: The customer should have successfully logged into their account to gain access to **SelectInDate**.

3. *Test Case Identifier: SelectOutDate*

Feature to be Tested: **Whether the customer can select a desired date to check-out.**

Feature Pass/Fail Criteria: **The test passes if the customer can select a date to check-out and that date be stored in the database.**

Means of Control: **The Login() method is called via a driver Customer.**

Test Procedure: **The test is started by the customer logging into their account. The customer first selects the desired check in date. After check in date has been successfully assigned, the customer then selects the second option available that is "Select Check Out Date". The customer will again be able to select the desired date via a calendar.**

Special Requirements: **The customer must have successfully logged into their account and successfully assigned a check in date.**

4. *Test Case Identifier: CleaningService*

Feature to be Tested: **If the customer can select the option for a cleaning service throughout the duration of their stay.**

Feature Pass/Fail Criteria: **The test will be successful if the customer selects the option for a cleaning service and this option is then saved in the database.**

Test Procedure: **The customer will log into their account and proceed to select a check-in and check-out date. The customer will then be directed to their last option which is the option to schedule a cleaning service throughout the duration of their stay. If the 'yes' option is selected the customer will then be provide a 'clock' to schedule the desired time for the cleaning service.**

Special Requirements: **The customer must have previously created an account and successfully logged into that account.**

5. Test Case Identifier: ReceivePayment

Feature to be Tested: If the customer's name will be removed from the database once the payment() method has been executed.

Feature Pass/Fail Criteria: This test passes if the customer successfully provides their payment details and their name is removed from the database.

Test Procedure: The test is initialized by the customer logging into their personal account. The customer then navigates to the check-out option. They will then be directed to a page that will provide an input field for a credit card. If this information is entered correctly the customer will be removed from the database.

Special Requirements: The customer must have previously created an account. The customer must have also entered the credit card in the proper format. (i.e. XXXX-XXXX-XXXX-XXXX)

Rationale

Our hotel will be open to service you in the great Atlanta downtown area from May 1 2017. We offer great service and rooms at nominal prices to satisfy our guests. We would like stress that we view this hotel as our home and you our costumers as our guests so your happiness is of the at most importance to us. I strive to give you the best service and an enjoyable stay by giving you access to the facilities in our hotel, 24/7 room service, and complementary breakfast for all our guests. The check in time for our hotel is at 3 o'clock and our check out time is at 11 o'clock.

Our system has been linked to the hotel database. The Software is strictly for the use of our guests and employees. Employees can check in our guests from the desktops in our hotel lobby and has access to our guests' room service request from their station kiosks. Guest can order room service and service request fro the kiosks in their rooms. Once the guests are checked in they will have access to kiosks in their rooms.

Once the guests are checked in their names, room number and other information (EX Credit Card) will be saved to our hotels database. From their rooms the guests can access the kiosk to order any of the services they need. So there is basically no need to leave a note on the door or call the front desk for any issues they might have.

Once the guest has sent in a service request or ordered any thing the staff of that particular field will receive a message regarding the request in their station kiosks. Once the task is complete the customers will get a status update from the staff. The staffs are also restricted to what information they have about the customer pertaining to their particular field.

1. Employees must check in once they arrive to avoid conflict in their salaries.
2. Employees need to make sure they are entering the correct login information to access to our system.
3. Employees need to perform the service request in the order they were received in.
4. Guest are responsible for making their own orders after check-in and are charged according to their requests.

Function Point Cost Analysis & COCOMO

FUNCTION - ORIENTED METRICS

Function points [Albrecht 1979] are basic data from which productivity metrics could be computed.
FP data is used in two ways:

- as an estimation variable that is used to "size" each element of the software,
- as baseline metrics collected from past projects and used in conjunction with estimation variables to develop cost and effort projections.

Measurement Parameter	Count	Weighting Factor		
		Simple	Average	Complex
Number of User Inputs	6 x	<input type="radio"/> 3	<input checked="" type="radio"/> 4	<input type="radio"/> 6
Number of User Outputs	2 x	<input type="radio"/> 4	<input checked="" type="radio"/> 5	<input type="radio"/> 7
Number of User Inquiries	3 x	<input type="radio"/> 3	<input checked="" type="radio"/> 4	<input type="radio"/> 6
Number of Files	14 x	<input type="radio"/> 7	<input checked="" type="radio"/> 10	<input type="radio"/> 15
Number of External Interfaces	0 x	<input type="radio"/> 5	<input checked="" type="radio"/> 7	<input type="radio"/> 10
Count = Total			186	

Rate each factor (Fi, i=1 to 14) on a scale of 0 to 5:
Influence

0	1	2	3	4	5
No	Incidental	Moderate	Average	Significant	Essential

- F1. Does the system require reliable backup and recovery?
F2. Are data communications required?
F3. Are there distributed processing functions?
F4. Is performance critical?
F5. Will the system run in a existing, heavily utilized operational environment?
F6. Does the system require on-line data entry?
F7. Does the on-line data entry require the input transaction to be built over multiple screens or operations?
F8. Are the master files updated on-line?
F9. Are the inputs, outputs, files or inquiries complex?
F10. Is the internal processing complex?
F11. Is the code designed to be reusable?
F12. Are conversion and installation included in the design?
F13. Is the system designed for multiple installations in different organizations?
F14. Is the application designed to facilitate change and ease of use by the user?

Calculate Reset

Result. According to the input your project has: **197 FP**

0
5
3
5
5
3
0
0
3
3
4
4
1
5

Results

Software Development (Elaboration and Construction)

Effort = 17.2 Person-months

Schedule = 15.0 Months

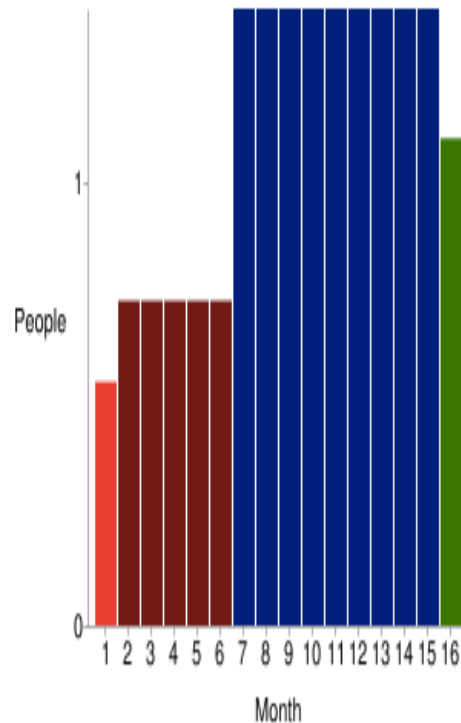
Cost = \$2147

Total Equivalent Size = 4035 SLOC

Acquisition Phase Distribution

Phase	Effort (Person-months)	Schedule (Months)	Average Staff	Cost (Dollars)
Inception	1.0	1.9	0.5	\$129
Elaboration	4.1	5.6	0.7	\$515
Construction	13.1	9.4	1.4	\$1632
Transition	2.1	1.9	1.1	\$258

Staffing Profile



Software Effort Distribution for RUP/MBASE (Person-Months)

Phase/Activity	Inception	Elaboration	Construction	Transition
Management	0.1	0.5	1.3	0.3
Environment/CM	0.1	0.3	0.7	0.1
Requirements	0.4	0.7	1.0	0.1
Design	0.2	1.5	2.1	0.1
Implementation	0.1	0.5	4.4	0.4
Assessment	0.1	0.4	3.1	0.5
Deployment	0.0	0.1	0.4	0.6

Your output file is http://csse.usc.edu/tools/data/COCOMO_April_23_2017_12_03_11_128965.txt

Created by Ray Madachy at the Naval Postgraduate School. For more information contact him at rjmadach@nps.edu

Project Legacy

This project has been a tough and eye opening experience for us. The great issue that we had in our team was the time constraints we had to face due to our Jobs and other courses. Yet we were still able to work together to solve the issues we faced and did our individual level best to finish our project on time. Some of us have contributed more than the others due to their experience in the field and their level of expertise in programming. As a whole all of us have learned something new from this project and it has helped us to improve ourselves and has given us also the ability to learn and correct the mistakes we might have made in the project.

WSD

Maqbool Ansari	Zoya Ansari	Garham Posey	Aleya Chowdhury	Sharan Ravikumar
Team Coordinator Document Handler UI Designer Database	Finalize Code Documentation Quality Analysis Java Coder	GUI Designer Lead Java Coder Quality Analysis Finalize Code	User Guide Presentation Quality Analysis	UI Tester Documentation

Gantt Chart

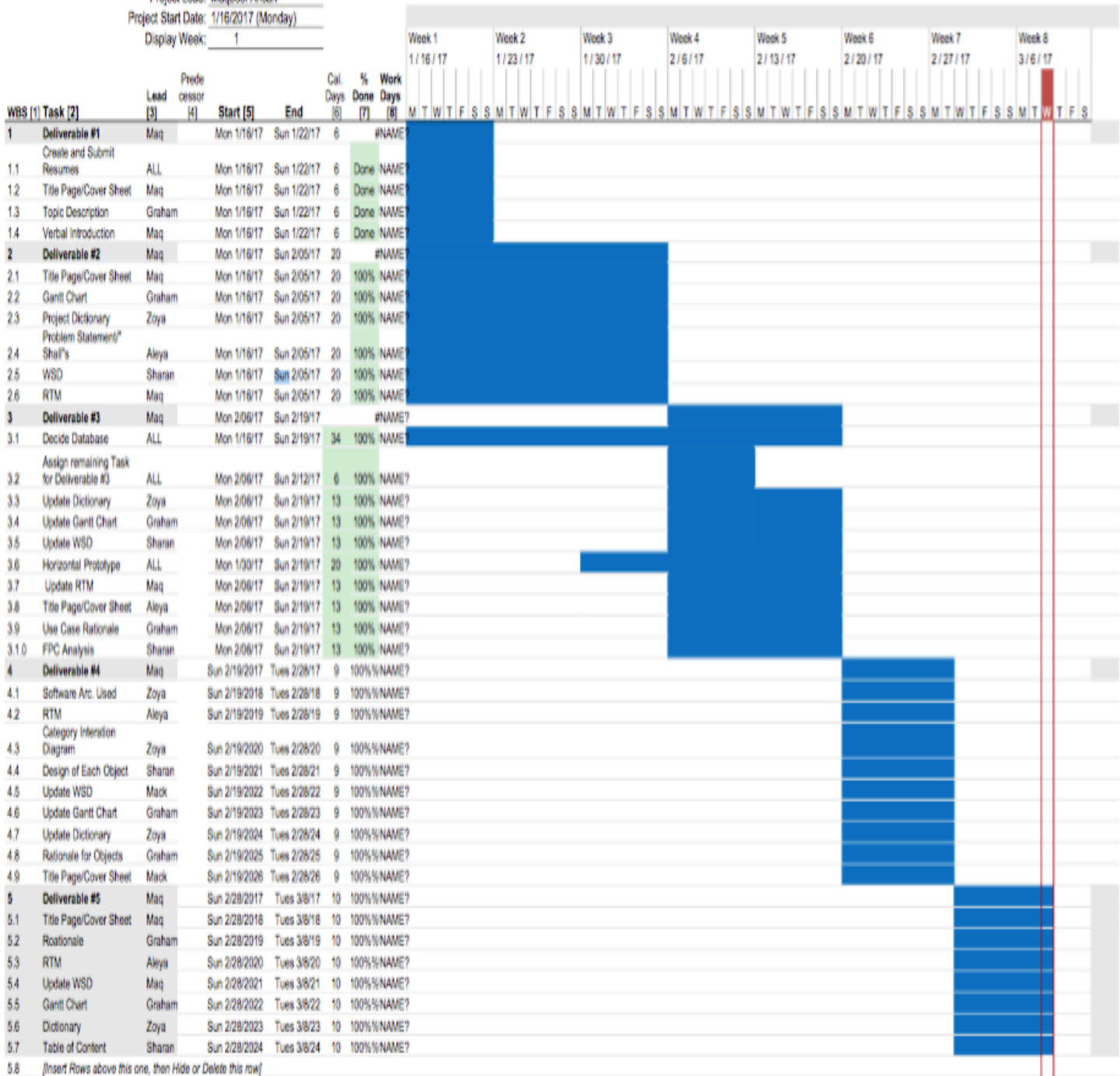
Hotel Management Project Schedule

//No Comment

Project Lead: Maqbool Ansari
Project Start Date: 1/16/2017 (Monday)
Display Week: 1

Gantt Chart Template © 2016 by Vertex42.com.

[See info on Gantt Chart Template Pro](#)



Dictionary

HMS: Hotel Management System

Target Marketing: Marketing towards a specific audience, rather than trying to sell to everyone

Stay Restriction: A reservation or booking control

Source of Business: How a guest heard about the hotel

Shoulder Date: Dates that fall very close to other high demand dates

Room Block: A group of rooms reserved for a specific customer for a set period of time

Resumes

MAQBOOL ANSARI

Email: Ansari.mack@gmail.com

Cell: 404-661-8249

Career Objective:

A Software Developer position in an IT company where my data management, QA testing, programming knowledge, and quality analysis skills can help deliver quality products to clients.

Work Experience:

Designation: Intern Support Engineer

Organization: SAP America

Duration: August 2016 - Present

Duties and Responsibilities:

- Provide remote support to corporations and consultants regionally and internationally.
- Create server environments for development and testing.
- Work with multiple products such as Afaria, Mobile Secure and Fiori.
- Create and maintain virtual machines and SQL databases.
- Assisted with reproduction of issues for development and work along with development to solve cases that needed development assistance.
- Netweaver Gateway (Fiori)

Work Experience:

Designation: Summer Intern

Organization: Georgia Expo. Manufacturing Corp.

Duration: April 2014 - August 2014 and April 2015 - August 2015

Duties and Responsibilities:

- Support the senior testers in conducting the QA and QC tests and in observing the results
- Translate the results in terms of metrics and make comparisons with the expected figures
- Participate in discussions and give an opinion about the product's performance
- Test the web applications for broken links, and URLs,
- Ensure accuracy and completeness in the test reports

Summary of Skills

Technical Skills

- Knowledge over programming languages like Java, C, SAPUI5, Python
- Knowledge of the testing types, concepts and required tools
- MS Office (Word, Excel, PowerPoint)
- Familiar with the steps and quality measures applicable in project lifecycle
- Knowledge of stages in Project Lifecycle and Software Development Lifecycle

Business Skills

- Strong sense of curiosity that allows to explore and discover
- Ability to maintain a detailed, disciplined and systematic approach
- Excellent analytical, interpretative, and logic building skills
- Adept at drafting documents and mentioning acute details in reports

Education

Georgia State University (Computer Science Bachelor's Degree) - Anticipated
Graduation December 2017

Relevant Courses: Computer Science, System Level Programming, Organic Programming, Discrete Math, Physics I/II, Calculus I/II/III, Linear Algebra, Software Engineering, Data Mining, and Programing Language Concepts

Aleya B Chowdhury

Atlanta, GA · 404-398-7978 · achowdhury12@student.gsu.edu

Education

Georgia State University - Atlanta, GA **Anticipated Graduation**

Date: December 2017

Bachelor of Computer Science

Concentration: Database & Knowledge-based Systems

GPA: 3.75/4.00

Georgia State University – Atlanta, GA

Graduation

Date: December 2015

Associate in Computer Science

Skills (*Indicates expert level of proficiency)

Programming: Java*, Assembly Language (SPARC), Python, C

Web Programming: HTML*, CSS, JavaScript, PHP, MySQL, XML

Database Systems: SQL*, Query Optimization, Relational and Dimensional Database Design, Data Integrity

Software: MySQL, PostgreSQL, Visual Studio, Photoshop, Excel, PowerPoint, Word

Operating Systems: UNIX, Mac OS X, Windows

Internship

China Cosco Shipping Corporation Ltd - Dhaka, Bangladesh

June 2015 –

August 2015

Data Reporting and Analysis Intern

- Acquired data from existing sources to create databases and reports
- Prepared data for reporting and analytical projects
- Assisted with documentation and troubleshooting
- Assisted with interpreting project data and analyzing results
- Helped team members with problem solving process and system issues

Work Experience

Publix Super Market - Atlanta, GA

September 2015 - Present

Clerk

- Provide premier customer service, including greeting the customers and responding to questions
- Sell product by providing customers with information and take online orders from customers

Projects

Hotel Reservation System

January 2017- Present

- Creating a fully functional software for Hotel Reservation System using JavaScript.
- The design of the software is heavily based on GUI and Database interaction.

Priority Queue with GUI and SQL database

November 2016

- Utilize Java and SQL to add and search patient's information in a hospital system
- Apply GUI interface to design the hospital system

Leadership

Art Club – Dhaka, Bangladesh

June 2011 – March 2012 Treasurer

- Collected member dues and maintained accurate financial records throughout the year

Zoya Ansari
3605 Paddocks Pkwy
Suwanee, GA 30024
Phone: 404.502.8444
Email: zoyans09@gmail.com

EDUCATION

Chattahoochee High School
Alpharetta, GA
Grade point average: 3.67

2009-2013

Georgia State University
Atlanta, GA
Associates Degree in Computer Science
Bachelors Degree in Computer Science by 2017
GPA: 3.83

2013 - Present

Technical Skills

- Strong command over programming languages like Java, and C
- Familiar Operating Systems
 - Windows, OSX
- MS Office (Word, Excel, OneNote, PowerPoint)
- Familiar with basic networking and troubleshooting procedures.

CAREER OBJECTIVE:

A Software Developer position in an IT company where my data management, programming knowledge, and quality analysis skills can help deliver quality products to clients.

COURSEWORK:

- Computer Science I/II
- Computer Architecture
- Physics I/II
- System Level Programming
- Organic Programming
- Calculus I/II
- Data Structures

WORK EXPERIENCE:

Receptionist

February 2015-April

2015

Regal Nissan, Roswell, GA

770.998.8686

Answered and transferred phone calls, greeted guests, filed paperwork, managed rewards system, mailed letters, and informed sales associates about guests or phone calls through intercom.

Tutor

January 2013-February

2014

Kumon Math and Reading, Alpharetta, GA

770.664.6284

Tutored kids in math and reading, graded assignments and tests, filed paperwork, took inventory, managed front desk when needed, talked to parents regarding their child's progress, answered phone calls, and assisted other tutors.

J. GRAHAM POSEY

1147 East Confederate Ave., Atlanta, GA 30316 / (706) 836-0730 / jposey1@student.gsu.edu

OBJECTIVE

EDUCATION

GEORGIA STATE UNIVERSITY, Atlanta, GA

Bachelor of Science, Computer Science

President's List Fall 2015, Summer 2016/Dean's List Fall 2015, Spring 2016, Summer 2016, Fall 2017

Expected: August 2017

GPA of 3.76

KENNESAW STATE UNIVERSITY, Kennesaw, GA

Bachelor of Business Administration, Finance

President's List Spring 2012/ Dean's List Fall 2011

August 2012

GPA of 3.43

RELEVANT COURSEWORK

Software Engineering

Database Systems

Algorithms

System-Level Programming

Data Structures

SUMMARY OF QUALIFICATIONS

- Excellent oral and written communication skills
- Detail oriented and well organized
- Function well within the team dynamic
- Exceptional leadership abilities
- Proven success in fast paced environment with tight deadlines
- Effective problem solver
- Diligent professional with solid work ethic

COMPUTER SKILLS

Programming: Java, HTML, JavaScript, CSS, SAPUI5/OpenUI5, C (working knowledge)

Data Analysis: SQL, Hadoop

WORK EXPERIENCE

SAP, Alpharetta, GA

Support Engineer

November 2016 - Current

FRONT PAGE NEWS BAR AND GRILL, Atlanta, GA

November 2016

August 2008 –

Bartender

- Grow new and repeat clientele through excellent customer service
- Consistently ranked as the top bartender in sales for the past three years
- Train new employees on company procedures and policies

- Manage daily sales and execute bar marketing objectives
- Extensive experience with customer relations and retention by creating new programs designed specifically for customer appreciation
- Consistently contribute to management meetings to maximize profits and limit expenses while maintaining quality

Sharan Koumar Ravikumar

E-Mail: sravikumar1@student.gsu.edu

Phone: 678-908-6592

Education

Georgia State University

Expected Graduation: December 2017

Classes Completed: Principles of Computer Science, Principles of Computer Programming, Theoretical Foundations of Computer Science, Principles of Physics 1&2, Calculus of One Variable 1&2, Data Structures, Computer Organization and Programming, and System-Level Programming.

Computer Skills

- Proficient in Microsoft Office (Word, Excel & Powerpoint)
- Prior Coding Experience (Java, HTML, C, Shell Scripting & Assembly)

Affiliations

- Panther Hackers Club Former Member(2016-2017)
- Computer Science Club Former Member(2012-2016)
- South Forsyth Rocket Club (VP 2009-2012)
- TSA South Forsyth Member (2008-2012)
- Red Cross Member (2011-Present)
- North Side Forsyth Hospital Volunteer (2011-2015)

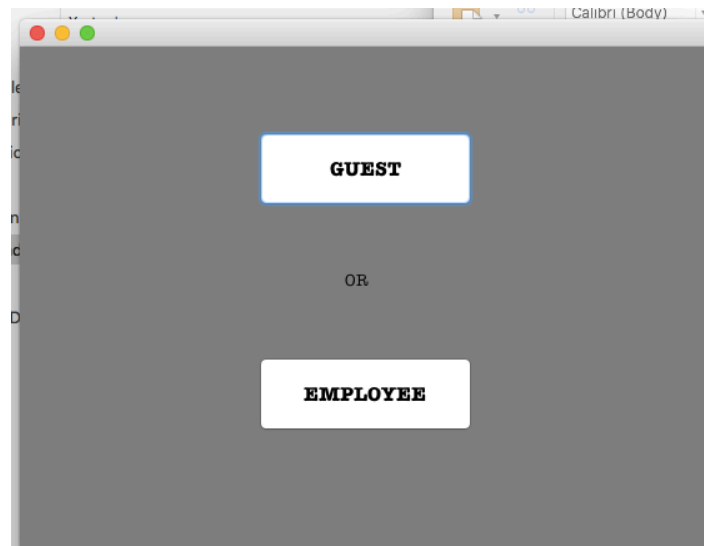
User Guide

Group: //No Comment

The following is a user guide of our Hotel Management System. It contains a fundamental description of the design, as well as the appropriate explanation of the functional implementations.

HMS Main Frame

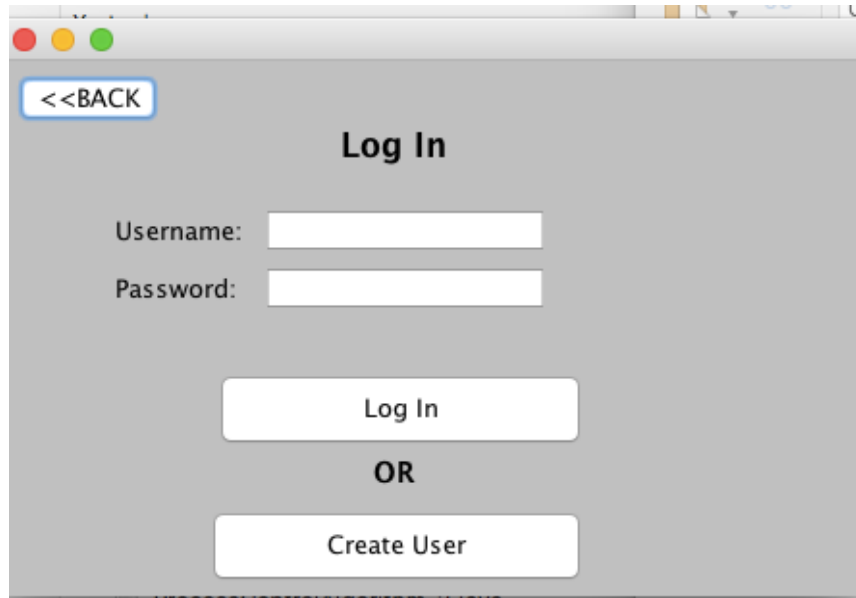
When the program is executed, user will be prompted with a dialog box for logging in as Guest or Employee.



Guest Login

If user clicks on Guest button, a Log in dialog box will be prompted. It contains a text field for the username, and a text field for the password. The guest login information will be checked in the database system, with the password. If the provided login information is correct, it will take user to the next page. Otherwise, an error message will be displayed for incorrect login information. This dialog

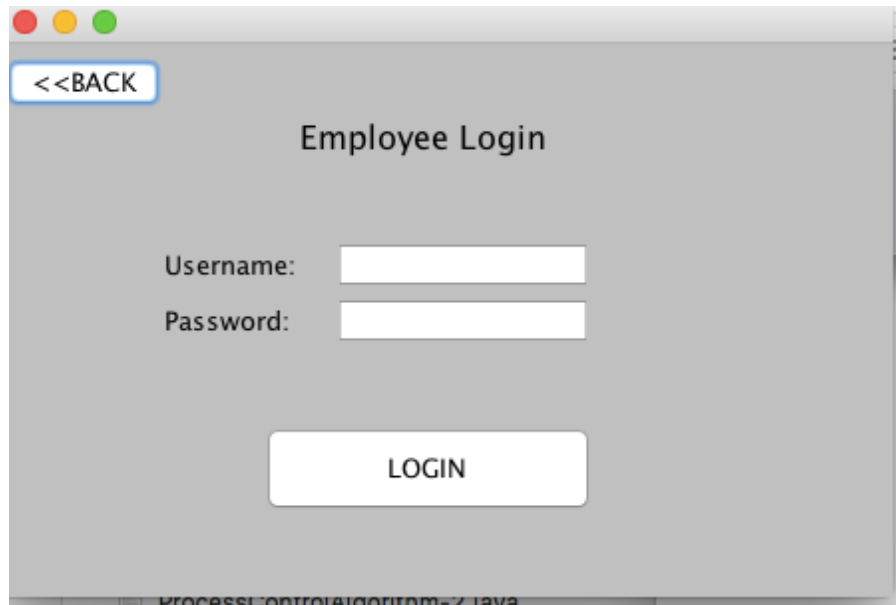
box has a create user button, by clicking that Guest can create user account. There is also a back button to go back to the main page.



The image shows a 'Log In' dialog box with a light gray background. In the top left corner, there is a button labeled '<<BACK'. The title 'Log In' is centered at the top in a bold font. Below the title, there are two text input fields: 'Username:' and 'Password:'. Underneath these fields, there are two buttons: 'Log In' and 'Create User', separated by the word 'OR'.

Employee Login

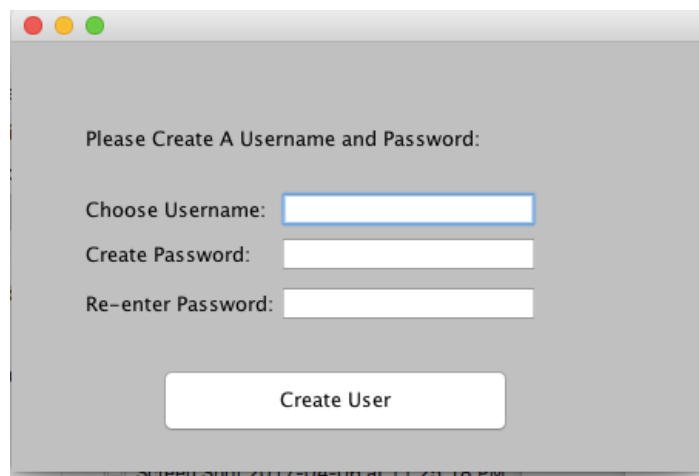
If user clicks Employee button, a Log in dialog box will be prompted. It contains a text field for the username, and a text field for the password. The employee login information will be checked in the database system, with the password. If the provided login information is correct, it will take user to the next page. Otherwise, an error message will be displayed for incorrect login information. There is also a back button to go back to the main page.



A screenshot of a Java Swing window titled "Employee Login". The window has a light gray background and a standard macOS-style title bar with red, yellow, and green buttons. In the top-left corner, there is a button labeled "<<BACK". The main content area contains the text "Employee Login" in a bold, black font. Below this, there are two labels: "Username:" and "Password:", each followed by a white text input field. At the bottom center, there is a white button labeled "LOGIN".

Create New User:

If guest clicks create user button, it will allow new guest to create an account. It will ask to provide user name, password and also ask to re-enter password. Then, Log in information will be saved into database

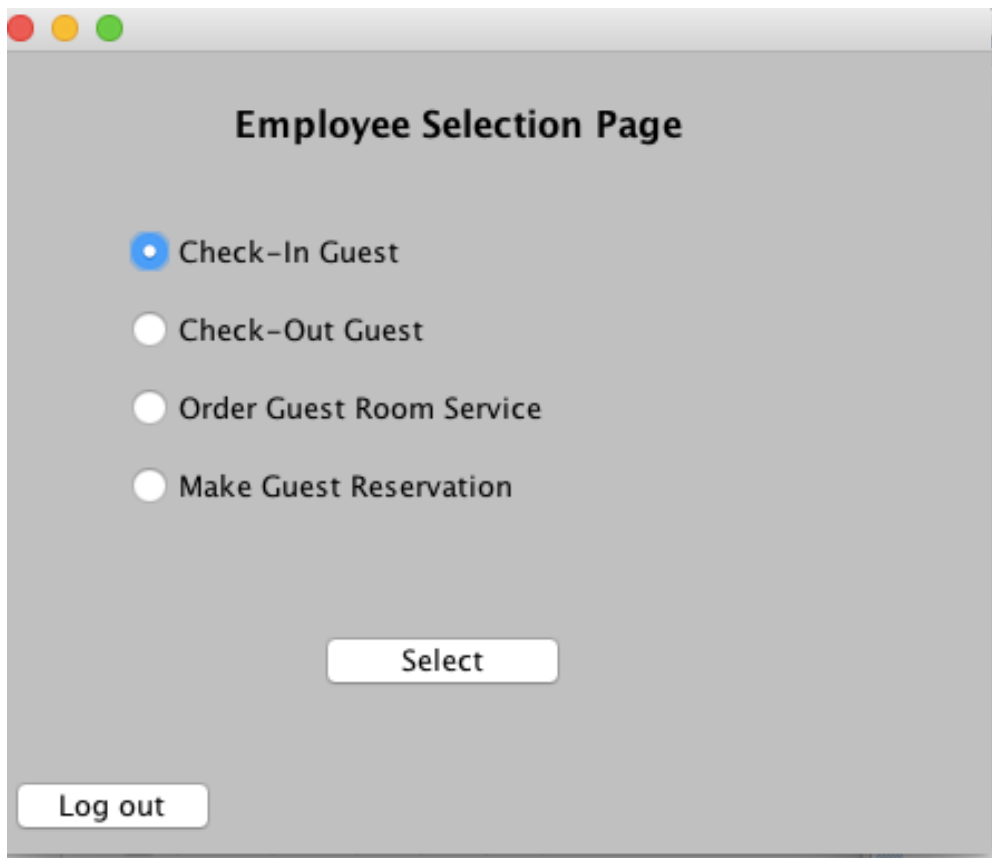


A screenshot of a Java Swing window titled "Please Create A Username and Password:". The window has a light gray background and a standard macOS-style title bar with red, yellow, and green buttons. The main content area contains the text "Please Create A Username and Password:" in a bold, black font. Below this, there are three labels: "Choose Username:", "Create Password:", and "Re-enter Password:", each followed by a white text input field. At the bottom center, there is a white button labeled "Create User".

Check in by Guest or Employee

If guest has an account in our system, guest can check in any time by logging in the user account. Also, Employee has access to book a reservation for guest. For booking room, guest has to provide information. Such as, Name, Credit Card number, Check-Date, Check out Date. By clicking book reservation will save the reservation in the database.

Employee can view the reservation and also update it. In there is no room available then a status message will display as no booking available.

A screenshot of a web application window titled "Employee Selection Page". The window has a light gray background and a standard macOS-style title bar with red, yellow, and green window control buttons. Below the title, there are four radio button options: "Check-In Guest" (selected with a blue dot), "Check-Out Guest", "Order Guest Room Service", and "Make Guest Reservation". At the bottom center, there is a white button with the text "Select". In the bottom left corner, there is another white button with the text "Log out".

Employee Selection Page

☒ Check-In Guest

☐ Check-Out Guest

☐ Order Guest Room Service

☐ Make Guest Reservation

Select

Log out

Employee Booking

Username*

*Password:

First Name*

Last Name*

CC Number

XXXX-XXXX-XXXX-XXXX

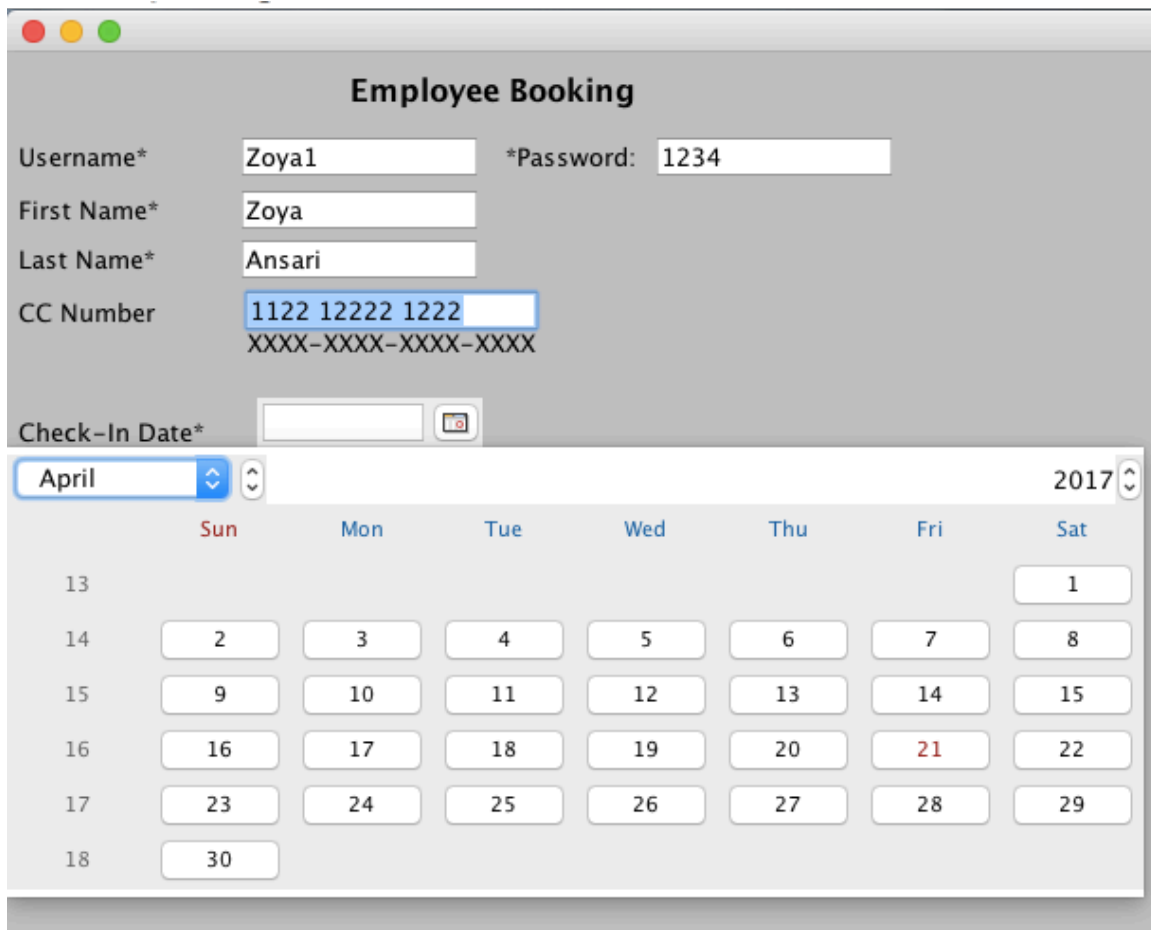
Check-In Date*

Check-Out Date*

Number of Guests*

Number of Beds*

Book Reservation



The image shows a web application window titled "Employee Booking". It contains several input fields for user authentication and booking details. Below these fields is a calendar for the month of April 2017. The calendar is a grid with days of the week as columns and dates as rows. The date 21st is highlighted in red.


Employee Booking

Username* *Password:

First Name*

Last Name*

CC Number
XXXX-XXXX-XXXX-XXXX

Check-In Date* 

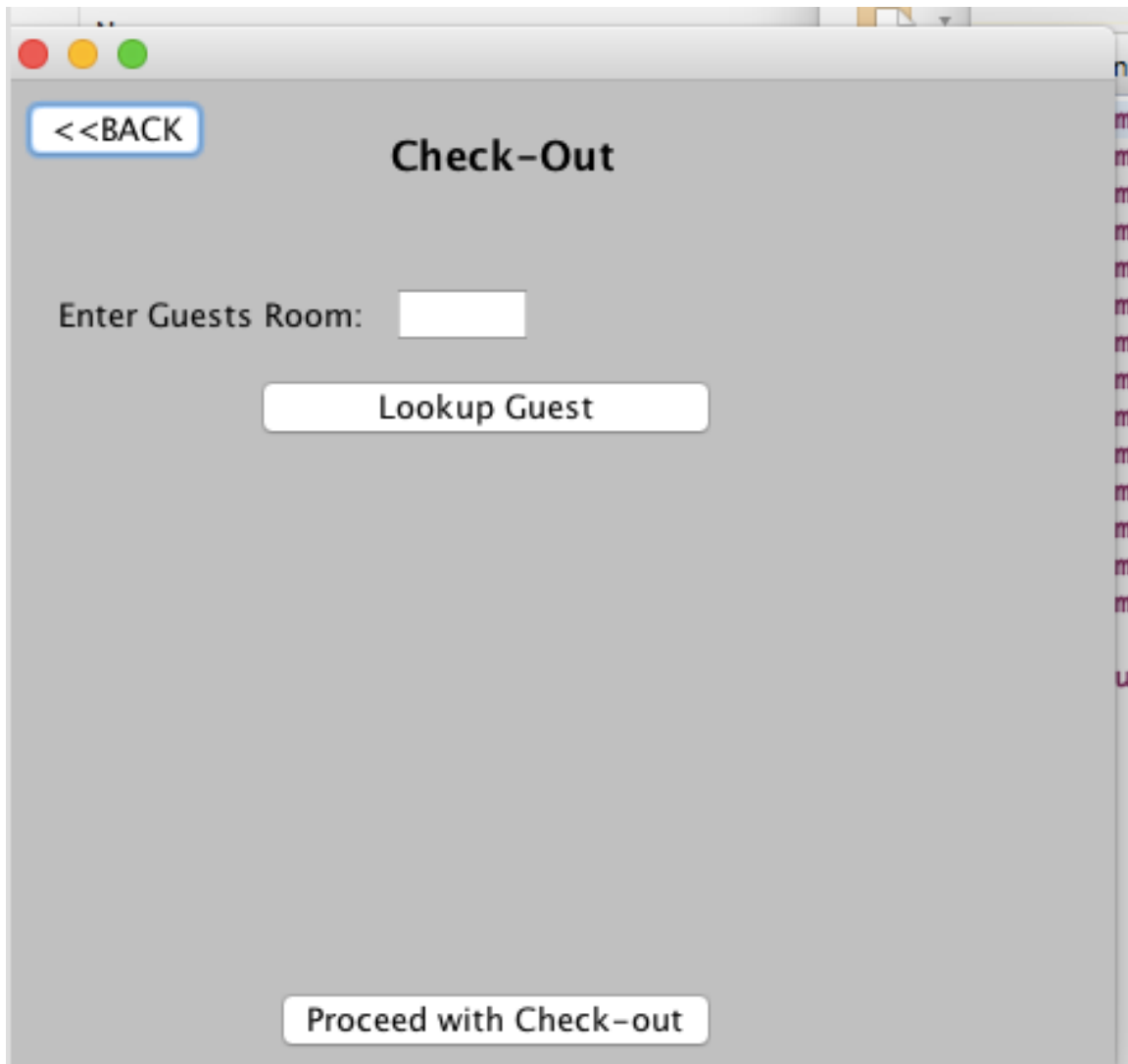
April 2017

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
13							1
14	2	3	4	5	6	7	8
15	9	10	11	12	13	14	15
16	16	17	18	19	20	21	22
17	23	24	25	26	27	28	29
18	30						

Check Out Guest by Employee:

To check out guest will be asked to provide room number, and there is text field for room number. There is also look up guest button where employee can get guest's First name, Last name and credit card information from data base. There are two payment option cash and credit card, and employee can select option and

click the select button. There are also log out and back button. If employee clicks proceed with check out, payment window will come. After a successful check out guest reservation for that room number will be deleted from data base.



The image shows a screenshot of a software application window titled "Check-Out". The window has a standard macOS-style title bar with red, yellow, and green window control buttons. Inside the window, there is a button labeled "<<BACK" in the top left corner. The main title "Check-Out" is centered at the top. Below the title, there is a text label "Enter Guests Room:" followed by a white rectangular input field. Underneath the input field is a button labeled "Lookup Guest". At the bottom of the window is a button labeled "Proceed with Check-out". The window is set against a light gray background.

<<BACK

Check-out

☐ Cash Payment

☐ Credit Card

Log out Select

Room Services:

This feature is only for checked in guest, where they can order room services by clicking room services button. Guest can see the menu of food with prices. When guest select food, it will also calculate the total price for order. There is place order button to submit the selection.

Room Service Menu

Beverages

- ☒ Sprite (\$2.00)
- ☒ Diet Coke (\$2.00)
- ☒ Bud Light (\$4.00)
- ☐ White Wine (\$5.00)
- ☐ Red Wine (\$5.00)
- ☐ Coke (\$2.00)

Snacks

- ☐ Cookies (\$1.00)
- ☐ Popcorn (\$2.00)
- ☐ Fries (\$3.00)
- ☐ Chicken Tenders (\$4.00)
- ☐ Fruit Salad (\$4.00)
- ☐ Chips (\$2.00)

Entrees

- ☐ Hamburger (\$6.00)
- ☐ Nachos (\$6.00)
- ☐ Salad (\$6.00)
- ☐ Pizza (\$7.00)

Total: \$8.00

Place Order

