

CheckedInn - Usability Study



Usability Study Scenario

Participant

- ✓ 1. Set the price for bed + breakfast in a double room for the next weekend at € 130 per night.
- ✓ 2. Create a reservation with the rate bed + breakfast in a double room in the name of Max Mustermann for Thursday to Sunday next weekend. The guest's email is max@mustermann.de.
- ✓ 3. On the night from Friday to Saturday, the Max would like to stay in a single room.
- ✓ 4. Change the address of Max and add a billing address.
- ✓ 5. Max would like to check in online. Prepare the online check-in. The room code is 3852 and the check-in email should be sent to the guest's email address.
- ✓ 6. Max has the status VIP. Let housekeeping know that they should provide the guest with a fruit basket and champagne in the room.
- ✓ 7. On the day of arrival, the Max does not check in online, but goes to reception. Create a registration form in the guest's name.
- ✓ 8. Check in Max.
- ✓ 9. Max makes a deposit of 100€ by Visa.
- ✓ 10. Max has arrived by car and parks in the hotel parking lot. Book this as an extra service for the duration of the entire stay.
- ✓ 11. On Friday morning, the Max has a visitor in the morning and would like to book an additional breakfast.
- ✓ 12. Max does not want breakfast on Saturday. Change the rate for Saturday to overnight stay without breakfast.
- ✓ 13. On Friday evening, the Max reports that the shower is faulty. Move him to a new single room for the night.
- ✓ 14. Communicate the facility manager to repair the shower.
- ✓ 15. Max would like to leave earlier. Cancel the last night of the stay as well as all extra services for this day.
- ✓ 16. Max has a Tesla and would like to charge it at the hotel's own charging station. Add this as an extra service.
- ✓ 17. On Saturday morning, Max would like to pay the remaining amount on account.
- ✓ 18. Create an invoice for the reservation of Max.
- ✓ 19. Max asks you to send him the invoice by email.
- ✓ 20. Check out Max.
- ✓ 21. Housekeeping will let you know on Saturday lunchtime that the room has been cleaned. Set the status of the room to Clean.
- ✓ 22. It will take a few days to repair the damaged shower. Lock the room until Wednesday.
- ✓ 23. Generate an arrival and departure list for Sunday.
- ✓ 24. Generate a catering list for Sunday.
- ✓ 25. Ask in the hotel messenger if you can arrive at work half an hour later tomorrow.

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Questionnaire 1

Participant

1. Visibility of the System Status

	Strongly disagree				Strongly agree
The system displays immediate confirmation after booking a room	(1)	(2)	(3)	(4)	<input checked="" type="radio"/>
Status updates are visible when changing the booking or service details	(1)	(2)	(3)	(4)	<input checked="" type="radio"/>
The system provides a visible log or history of all actions taken for a reservation	(1)	(2)	(3)	(4)	<input checked="" type="radio"/>

Issues & Recommendations

2. Match between System and the Real World

	Strongly disagree				Strongly agree
The language used in the system mirrors the language used by hotel staff and guests	(1)	(2)	(3)	(4)	<input checked="" type="radio"/>
The system uses terms familiar to both new and experienced hotel employees	(1)	(2)	(3)	<input checked="" type="radio"/>	(5)
Icons and symbols are intuitive and related to real-world hotel operations	(1)	(2)	(3)	(4)	<input checked="" type="radio"/>
Information is presented in a natural and logical order	(1)	(2)	(3)	(4)	<input checked="" type="radio"/>

Issues & Recommendations

3. User Control

	Strongly disagree				Strongly agree
There is a clear option to undo changes made to a guest's booking	(1)	(2)	(3)	<input checked="" type="radio"/>	(5)
Users can easily modify or delete entries without having to navigate through multiple screens	(1)	(2)	<input checked="" type="radio"/>	(4)	(5)
Users have the flexibility to switch between different tasks without having to complete one before starting another	(1)	(2)	(3)	(4)	<input checked="" type="radio"/>
The system provides shortcuts that enable experienced users to perform tasks more rapidly	(1)	(2)	(3)	<input checked="" type="radio"/>	(5)

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Questionnaire 2

Participant

Issues & Recommendations

It would be helpful to add payments in the billing modal.

4. Consistency

UI elements behave uniformly across different sections of the system

Strongly disagree

1

2

3

4

Strongly agree

5

☒

Standard terminology is used throughout all user interactions

1

2

3

4

5

☒

Consistent visual elements are used for error messages, alerts, and notifications

1

2

3

4

5

☒

Issues & Recommendations

5. Error Prevention

Warnings are issued after conflicting information have been entered

Strongly disagree

1

2

3

4

Strongly agree

5

☒

The system validates data entry to prevent common input errors

1

2

3

4

5

☒

Confirmation prompts appear before finalizing potentially important actions

1

2

3

4

5

☒

The system checks for double bookings and availabilities before confirming a reservation

1

2

3

4

5

☒

Issues & Recommendations

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Questionnaire 3

Participant

6. Recognition Rather Than Recall

Interface elements are logically organized

Strongly
disagree

1

2

3

4

Strongly
agree

~~5~~

Dropdown menus and auto-fill features reduce the need for memory use

1

2

3

~~4~~

5

Frequently used tools are prominently placed on the dashboard

1

2

3

4

~~5~~

Different choices are made clear

1

2

3

4

~~5~~

Issues & Recommendations

In the room plan, the current room should be marked in the row when moving the room, otherwise it's difficult to see which room the current row relates to.

7. Flexibility

Users can configure the dashboard to display information relevant to their role

Strongly
disagree

1

2

3

~~4~~

Strongly
agree

5

Bulk actions are possible, such as checking out multiple guests at once

1

2

3

~~4~~

5

The system supports multi-tasking, allowing users to open multiple tabs or windows simultaneously without performance degradation

1

2

3

4

~~5~~

Issues & Recommendations

Since you go to the invoice modal anyway to get an overview and then create an invoice, it would save a few clicks if it were able to enter a payment directly there.

8. Aesthetic

The interface is clutter-free, focusing only on necessary elements

Strongly
disagree

1

2

3

4

Strongly
agree

~~5~~

The user interface does not distract from solving tasks

1

2

3

4

~~5~~

The look and feel optimizes space and prioritizes task-related information

1

2

3

4

~~5~~

Aesthetic elements do not interfere with the functionality of the system

1

2

3

4

~~5~~



Questionnaire 4

Participant

Issues & Recommendations

9. Error Handling

The system clearly indicates when an error occurs, using both visual cues (like color changes) and textual descriptions

Strongly disagree

1

2

3

4

Strongly agree

5

Users are guided through the steps to recover from common errors

1

2

3

4

5

The system includes proactive error prevention mechanisms, such as validation checks

1

2

3

4

5

The system maintains a consistent approach to error handling across all modules

1

2

3

4

5

Issues & Recommendations

10. User Guidance

Step-by-step guides are provided for complex procedures

Strongly disagree

1

2

3

4

Strongly agree

5

The system's help documentation is available within the application

1

2

3

4

5

Complex terms are explained in detail in the application

1

2

3

4

5

Issues & Recommendations

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Questionnaire 5

Participant

Overall Feedback

The software provides a good usability

Strongly
disagree

1

2

3

4

5

6

7

8

9

Strongly
agree

10

Further remarks (positive, negative, features requests)

All in all, the usability can be highly complimented. Very simple design, yet aesthetic and the same design language everywhere. If the small adjustments are made, and the payments can be added ~~to~~ in the invoice field, this would be a perfect product in terms of usability.

Here's a small bug note: if you have ^{not} stored an API key, the address completion field loads ~~indefinitely~~ indefinitely. It would be good if it didn't load at all if no key is stored.