



Hotel Today - Mobile apps & Website

V.1.1

12.18.2021

—

Software Developers Inc
20665 4th Street, Suite #204
Saratoga, CA 95070



Confidentiality of Important Information

The information in this document is confidential and is intended solely for the attention and use of the recipient - **Michael Baskin**. It might contain privileged information. If it has come to you in error and you are not the intended recipient you must not proceed further, disclose, copy, use or disseminate any information contained therein, please delete it and contact us at **team@sdi.la** without delay so that we may take whatever action we consider appropriate. Although this document is believed to be free from any virus it remains the responsibility of the recipient to ensure that this document is virus free and we accept no responsibility in this regard.

Overview

The purpose of this document is to design & develop a software platform that will allow Hotels and Property Managers to upload details on facilities including rooms, cabanas, gyms, [meeting rooms](#), pools and make it available for day use.

Summary of Tasks

Mobile apps & Website for Customers - These will allow customers to search and book facilities for day use.

Mobile apps & Website for Hotel Managers - These will allow hotel managers to upload, modify, change and manage facilities available for day use and receive status updates from reservations to checkouts from the Hotel Today platform.

Super Admin Web Portal - This will be a web based portal for the Hotel Today platform owners to manage users, hotels and transactions. They will also be able to view Reports.

Development Principles

- Smart and clean UI's (User Interfaces)
- Smart Navigation Tabs for easy and fast access to all the functions.
- Language of Development – English
- Language of Data Entry – English

Technology Stack

- iOS & Android SDKs for Mobile apps
- AngularJS & NodeJS for Web Admin Portal.

Team Structure

- Project Manager
- UX Specialist
- 4 Senior Programmers - Mobile apps
- 5 Senior Web Programmers - Web apps & Admin portal
- Quality Assurance Tester
- Server Administrator

Customers - Features/Functions

1. Sign In/ Sign Up

a. Sign In

- i. Email & Password
or
- ii. Face ID (for iPhone) or Smart lock (for Android)
or
- iii. Facebook Sign in

Customers can browse through the hotels/inventory details without signing into the app.

b. Sign Up

- i. First Name
- ii. Last Name
- iii. Email
- iv. Password
- v. Mobile number
or
- vi. Sign up via Apple or Google (as per device)
or
- vii. Sign up via Facebook
- viii. Agree to T&C and sign up

Note: After the customer enters the above info, a OTP verification code will be sent to their phone for validation and a secure sign-in process.

2. Forgot password

- a. The app will ask the user to provide their email to receive a reset password link.

- b. Once the user clicks on the link, the app will ask the user to enter a new password and confirm the new password.

3. Home screen

- a. Search hotels field with advanced filter option
- b. List of available hotels for the day based on customers current location (Option to change list view to map view)
- c. Menu to navigate to functions like:
 - i. Home screen
 - ii. Bookings
 - iii. Saved/favorite hotels
 - iv. Notifications
 - v. Receipts
 - vi. Settings

4. Search hotels - Customers will be able to search hotels by:

- a. Location
- b. By default - hotel check-in/out date will be for the current day (Customers can change the date)
- c. Advanced search filter may include
 - i. Hotel facilities
 - ii. Arrival time
 - iii. Duration - customer preferred number of hours /slots available for booking
 - iv. Price range
 - v. Distance
 - vi. Ratings
 - vii. Preferred Amenities - For e.g. pool access, spa in hotel, shuttle service to airport

5. Hotel list - Search results will show a list of hotels. The following details will be displayed in list view:

- a. Hotel Name
- b. Hotel cover image
- c. Hotel tag (tags can be used to describe the hotel. For e.g. Basic, Premium, Luxury. These will be defined by the Hotel Manager when adding inventory to the platform)
- d. Duration (check in/out time) slots available for booking
- e. Price
- f. Option to mark it as favorite/save it
- g. Ratings
- h. Distance from customers location
- i. Option for customers to opt for "Track Price Alert" - The customer can simply opt to receive alerts/notifications if the price changes

6. Hotel details - The details screen will show:

- a. Hotel images
- b. Available slots
- c. Option to book a slot
- d. Amenities list
- e. Specific conditions
 - i. Free cancellation
 - ii. Free parking
 - iii. Guest Safety standards
- f. About hotel and location address
- g. Ratings

7. Review & confirm booking - First time customers will complete the booking process by providing their personal information and payment details. This information will be saved under the settings screen and if the customer would like to modify any of the details, they can do so in the settings screen.

- a. If the customer has a "Company promo code", the customer can use it to book a facility at a special rate defined by the hotel for their company/business.

8. Notifications - The notifications in the form of email and/or push notifications within the app will be sent to the customers at the time of following actions:

- a. Email notification when the booking is confirmed
- b. Reminder for the upcoming booking
- c. Email notification when the booking is modified
- d. Email notification when the booking is canceled
- e. Email notification when the customer checks out

9. Bookings

- a. Customers can view upcoming bookings and past bookings
- b. Customer can view details and will have an option to provide ratings for past bookings

10. Favorite/Saved hotels

- a. List view of hotels marked as favorite
- b. Tap to view hotel details with an option to unfavorite the hotel

11. Receipts

- a. List of receipts in descending order of past bookings
- b. Receipt details will display a bill in pdf/image format
- c. Option to email receipt

12. Settings

- a. **Edit profile**
 - i. Name
 - ii. Email
 - iii. Phone number
 - iv. Change password

b. **Payments methods** (Credit card, Apple Pay and Android Pay)

- i. View/edit list of payment methods added to the app
- ii. Add a new payment method
- iii. Mark one as a default payment method
- iv. Delete payment information

c. Set Notification Preferences

d. Share app

e. FAQs

f. Contact support email

g. Sign out

Hotel Managers - Features/Functions

1. Register/Sign Up

- a. The Hotel Owner will register by providing their email, phone number, basic details, and password. This will include:

- i. Hotel Name
- ii. Contact person Name
- iii. Contact person Role
- iv. Mobile number
- v. Address
- vi. Website URL

Note: After the hotel submits the above info, the admin will review & verify the hotel's profile and will send a verification URL/notification to the hotel manager to sign in and start using the platform.

2. Sign in

- a. Email
- b. Password

3. Forgot password

- a. The app will ask the user to provide their email to receive a reset password link.
- b. Once the user clicks on the link, the app will ask the user to enter a new password and confirm the new password.

4. Home screen

- a. List of facilities available for today
- b. Notifications from customers who booked the facility for today
- c. Menu to navigate to functions like:
 - i. Add/List facility
 - ii. Bookings/Reservations
 - iii. Manage available facilities
 - iv. Notifications
 - v. Billing
 - vi. My Account
 - vii. Settings

5. Add facility- It will include main fields like

- a. Facility category
- b. Facility/Hotel tag (Tag will be selected from a list - Basic, Premium, Luxury when adding the facility)
- c. Add Available slots (single or multiple. for e.g. 8 am - 11 am and 12 pm - 2 pm)
- d. Facility Description

- e. Upload pictures of the facility
- f. Amenities - By default it will list everything that is covered under the facility details page
- g. Check in /out time
- h. Price
 - i. Add regular price
 - ii. Add a pre negotiated rate or % off the list for associated businesses (this will be displayed to the customer at the time of booking when they apply their Company promo code)
- i. Option to save & Add OR Edit & Add existing listing

6. Bookings/Reservations

- a. View bookings list for the day
- b. View booking details
- c. Option to cancel or modify the booking

7. Manage available facilities

- a. This shows the list of facilities which are added by the Hotel manager
- b. Tapping on a facility will show:
 - i. Facility details
 - ii. Option to Edit available slot, price
 - iii. Option to remove the listing

8. Notifications

- a. Customer booking confirmation
- b. Customer check in/out
- c. Booking canceled
- d. Booking modified

9. Billing/ Transactions - View list of payments that are settled when the customer has checked out. The transaction will show:

- a. Unique transaction ID
- b. Date/Time
- c. Amount
- d. Booking details

10. My account - The Hotel manager can

- a. Edit hotel profile details
- b. Manage payment information
 - i. Add banking details or 3rd party payment account details to receive payments

11. Settings

- a. Change password
- b. Hotel manager can edit the Notifications preferences
- c. View FAQs
- d. Support contact email
- e. Sign out

Super Admin Portal for Hotel Today Owners - Features/Functions

1. Login

- a. Admin will login with their email & password. (it will include 2 Factor Authentication steps every time the admin logs in)
- b. Forgot Password: Admin will be able to reset their password, it will send an email with a link to set up a new password.

2. Dashboard page

- a. View number of available inventory & occupied inventory
- b. Total number of Hotels
- c. Total number of Customers
- d. Revenue earned (weekly, monthly & yearly)
- e. Menu to navigate to other pages like:
 - i. Users management
 - ii. Hotel accounts
 - iii. Customer accounts
 - iv. Notifications
 - v. Transactions
 - vi. Settings

3. User management

- a. Add employees as sub admins
- b. Manage roles & permissions for each sub admin
- c. Change sub admins credentials
- d. Delete sub admins

4. **Manage Hotel accounts**

- a. View list of Hotel accounts
- b. View details, edit info or delete account
- c. View new Hotel accounts which are waiting for account verification. Admin will assign a sub admin who will review hotel profile/ amenities and manually verify Hotel account sign up requests

5. **Manage Customer accounts**

- a. View list of customers accounts
- b. View details, edit info or delete account

6. **Transactions/Billing**

- a. Payment Gateways
 - i. Reports
 - ii. Transactions Approved
 - iii. Transactions Pending
 - iv. Transactions Canceled
 - v. Transactions Refunded

7. **Revenue model** - Admin can assign a commission percentage per hotel OR apply a uniform commission percentage for all hotels (% added on top of Price listed for available facility or Subscription plan for Hotels)

8. **Settings:** Change email & password used to access the administration panel

Additional Features

1. **Sponsored Listing** - This will be an option for hotel managers in their website/app to list their hotel in the Top 4 positions when users search in their location/city. Hotel Today will set the price per week/month. Once a Hotel books a “Sponsored spot”, their credit card will be charged and within 24 hours their hotel will appear on one of the Top 4 spots for the week/month based on the chosen plan.
2. **24 hr check in** - Users will be able to check in to their booking 24 hours before their stay. Once they check in they will receive a QR code. They can then show the QR code to the hotel as a confirmation. If the Hotel has the ability to scan the QR code then they will scan it or view it to allow access to the facility. Once a user checks in, the booking cannot be canceled.
3. **Book Activities** - Hotels will be able to add specific activities that Hotel Today accepts on its website and apps. Users will then be able to book the activities
4. **TikTok integration** - We will enable TikTok integration so that customers can create TikTok videos and publish their experiences on TikTok.
5. **Promo code creation & redemption for businesses/companies** - This option will allow hotel managers to tag different rates for various promo codes when adding the facility to the Hotel Today platform.
6. **Personalized Recommendation System (PRS)** - This will be a Upsell tool that will recommend certain activities based on what others have booked when a User is on the Website/App and books a certain

facility/room. For eg - If the User books a room, he will then be shown an option "Other Users booked this as a great addon to their experience - Spa, Gym, Pool etc"

7. **Local getaways suggestions** - This function will display alternative locations and suggestions.

Integration recommendations - Client can sign up for these services

- Payment gateway
- Twilio or similar API integration for Alerts & push notifications
- Cloud hosting

Optional Features & Functions

8. **Surge Pricing Algorithm** - We will build an algorithm which can increase or decrease the price of available day facility based on the real time data analysis of the Traffic. Hotels will have the option to Opt in or out for applying price surge to the facility they are adding.
9. **Price Suggestor** - Hotel managers will be able to see suggested prices for rooms and facilities - This will be generated by an algorithm based on data of competing properties and facilities in the area in the same category.

Investment cost & delivery timelines

Tasks	Cost
iOS Mobile app for Customers	\$15800
Android Mobile app for Customers	\$17800
Website for Customers	\$15500
Website for Hotel Managers	\$15500
iOS Mobile app for Hotel Managers	\$9800
Android Mobile app for Hotel Managers	\$10800
Super Admin Portal - Web based	\$22800
TikTok integration	\$2500
Promo code	\$2500
Local getaways suggestions	\$2500
Personalized Recommendation System (PRS)	\$3500
24 Hr Check in and QR Code	\$2650
Sponsored Listings	\$4850
Total	\$126,500

Optional Functions and Costs

OPTIONAL FUNCTIONS	Cost
Surge Pricing Algorithm	\$11000
Price Suggestor	\$3800

Payment Terms

- 25% upfront payment
- 25% on UX completion
- 25 % on Admin web portal completion
- 25% on Final delivery prior to launch

Delivery Timelines

UX - 6 weeks

Programming - 4 Months after UX approval

Warranty

SDI provides a 6 months debugging warranty on every project. For the initial 6 months after acceptance/launch, if any bugs occur and are identified, we will fix them without any cost to you.

Source Codes

SDI can transfer all codes including Source codes to a Cloud/Server of the client's choosing once we receive full payment as per the contract. All of the project Source codes can be handed over to the client on project completion. Upon completion and payment of all agreed invoices to SDI, the Client will be the sole and exclusive owner of the website and IP of the project.