Mobile Case Study

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Instodine App

Private & Confidential

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➢ Application Background

- Online Wait-list and table reservations for restaurant Dining.
- Shows the current availability of dining space in any restaurants nearby you in real time.
- Can reserve your position in current waiting list of any restaurants for dining and for future table reservations.
- Current information of exciting Offers, Discounts, Food festivals only for Instodine users.

➢ Client Profile

The client was a highly qualified from India running side business hotel table booking management. Looking for a solution that could simplify his booking related task. The challenges were to:

- Searching nearest hotel using hotel name of location.
- Provide information related to hotel like type of food, features, timing, photos.
- Build a secure payment gateway integration.
- Assigning the table to the users on time and future reservation.
- Share the information of hotel via google map and other application.

➢ Business Need

The client was looking to develop a mobile application using Android and PHP as a Backend.

The features they were looking for were:

- Register customer via Instodine user, Google+, Facebook.
- Register manager via Instodine user and do payment before proceeding to booking.
- Payment should be secure and authenticated.
- Display hotel information to customer via list and map.
- User search hotel using hotel name and location.
- Book table for current time and advance booking.
- Check the real time match for hotel timing.
- Share hotel via share button and provide way to hotel using google map api.
- Send OTP to mobile verification, send notification for booking, hotel plan subscription.

➢ Challenges

- Searching hotel via location using google places API.
- Shuffle booking based on arrival time.
- Setting for waiting time and reservation.
- Reward setting for upcoming offer.

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- Match real time clock to hotel timing.
- Show markers on map as per food type and hotel available status.

➢ Solution features

- We used android studio version (3.1) as a front end and PHP as backend technology.
- Provided mobile compatible from (API level 16 – 26).
- For UI experience we used Android arsenal library.
- System was highly maintainable.
- For parsing web service, we used Retrofit library.
- Integrate the Paytm gateway and bank transferred by the help of Paytm documentation.

➢ Benefits

- The client was able to use the application from any supported device as mentioned in documentation.
- The client was able to use most of the features of the application including graphics operations very efficiently without facing any issues like page load issues and similar.
- Application was designed in a way that, it can be extended easily in the future anytime the client wishes to do so.
- We achieved a great level of client satisfaction, by meeting his needs as we do it with each and every client of Dogra Technologies.

➢ Technology Used

- Android Studio 3.1
- Support Android version (4.4.4 and above)
- PHP
- Third party library.

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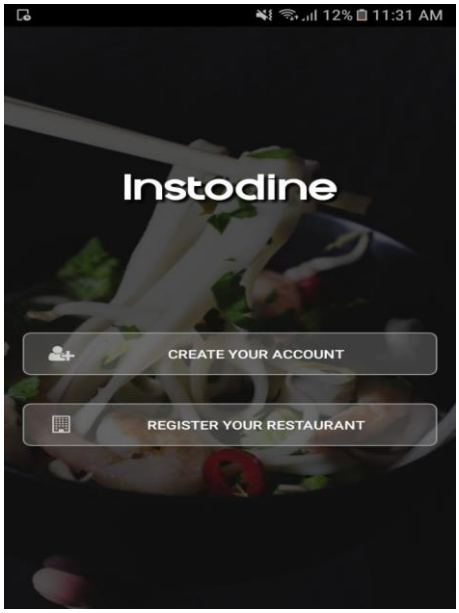
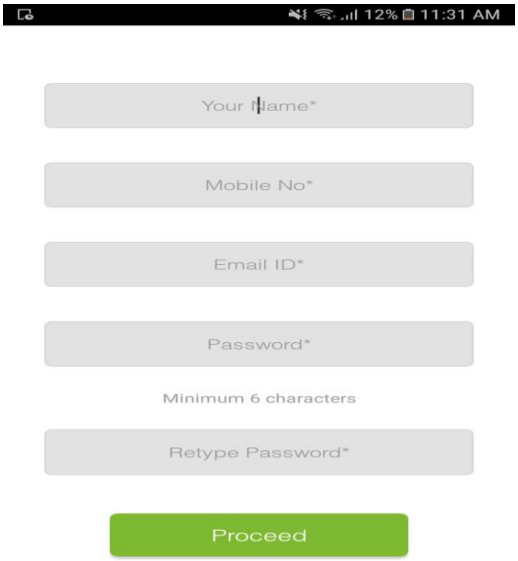
➢ Feature 1

- Registration of customer and hotel

1. Hotel details like name, location using map, address, email, mobile.
2. Customer registration.





➢ Feature 2

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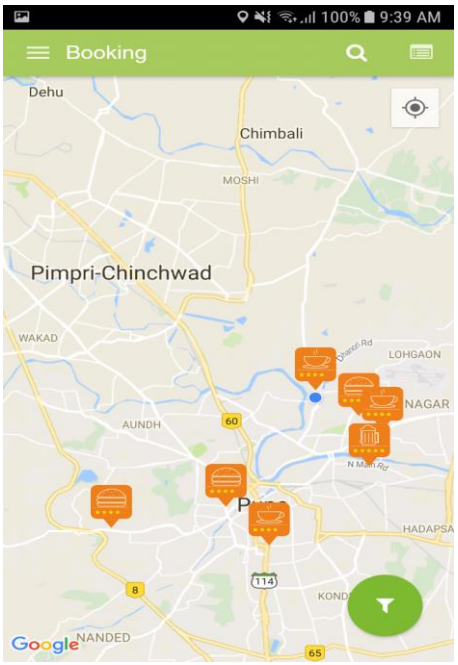
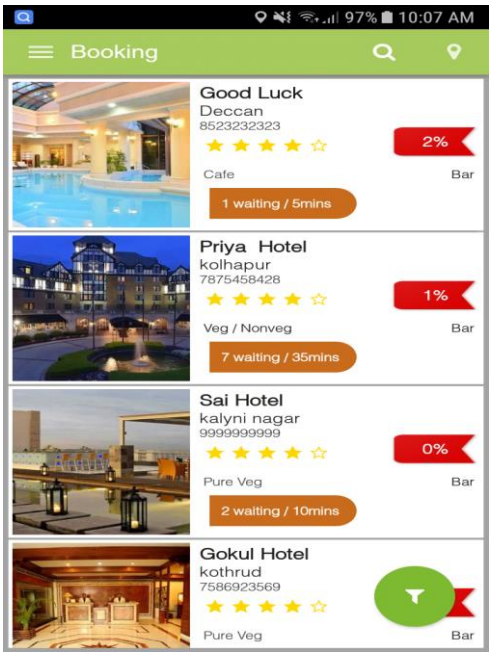
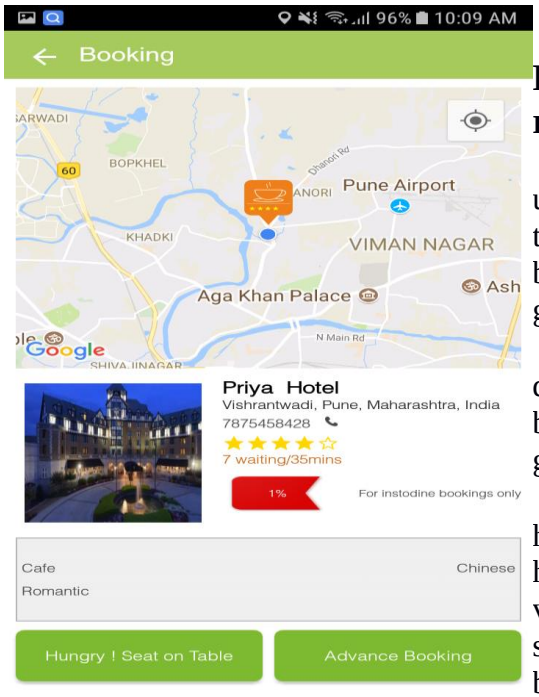
- List of hotels.
- Hotels on map.





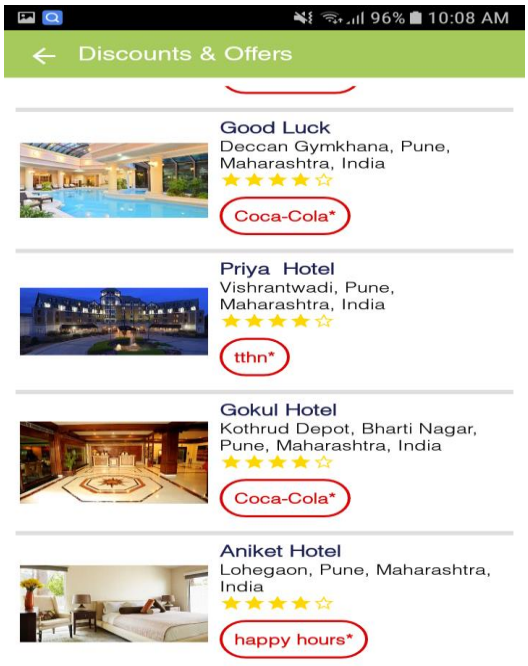
➢ Feature 3

- Hotel information.
- Offers available in hotel.



Feature 4

- urrent table booking.
- dvance booking.
- hare hotel via share button.



- Analytical view of customers

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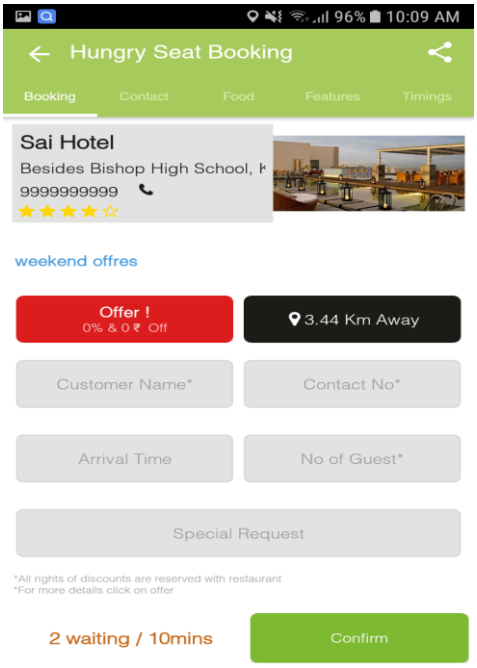

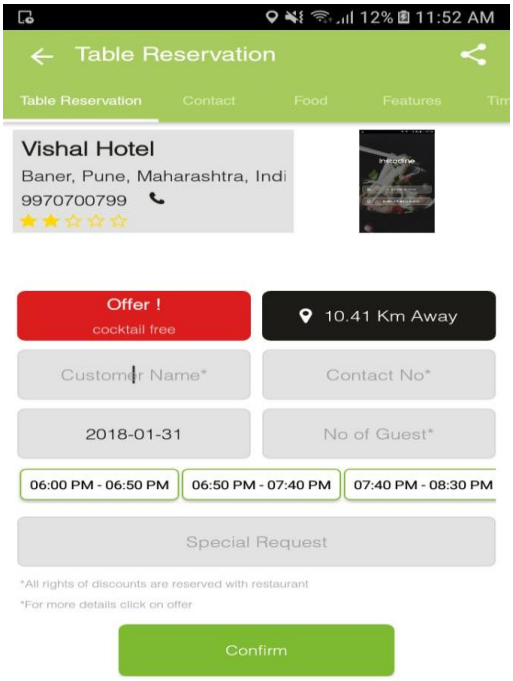

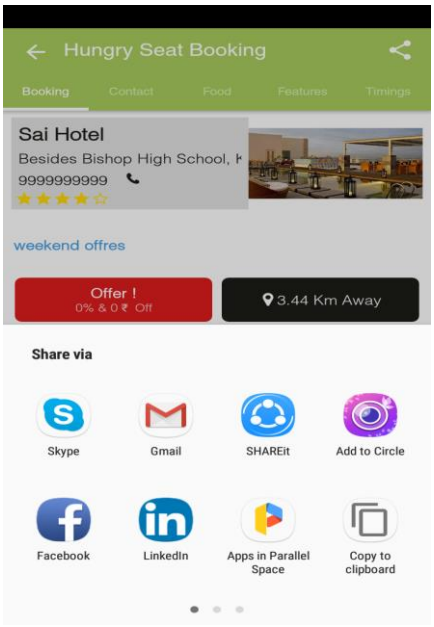

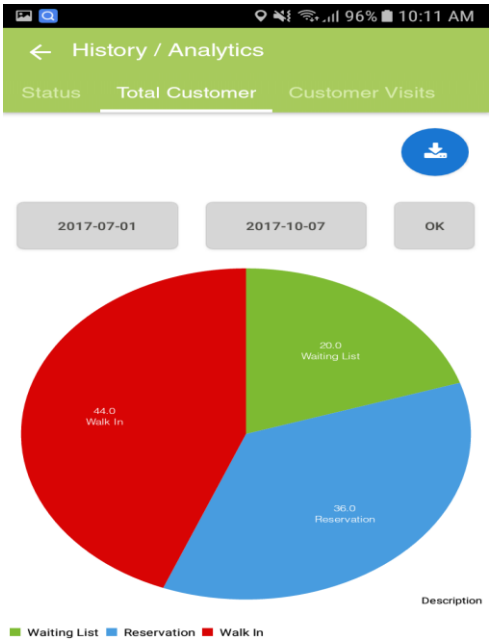

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