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| **FPT UNIVERSITY** |
| Capstone Project Document |
| Build a Web Application  for manages all activities of  delivery service system by coach |
|  |
| |  |  | | --- | --- | | **Group 18** | | | **Group Members** | Đào Bảo Long – Team Leader – SE60690  Lê Phúc Lữ – Team Member – 60563  Nguyễn Thanh Tùng – Team Member – SE60609  Nguyễn Tấn Đức – Team Member – SE60660 | | **Supervisor** | Nguyễn Trọng Tài | | **Ext Supervisor** | N/A | | **Capstone Project Code** | i-Deliver | |
| Hồ Chí Minh City, April 2014 - |

*Acknowledgement*

After more than three months of intensive researching, working, and having fun, we have finally reached the fundamental objectives of the project *Multi-Hotel Booking*. Apart from our own efforts, the completion of this project depends largely on the encouragement and guidelines of many others. We would like to dedicate this page to expressing our gratitude to the people who have been instrumental in our project.

Firstly and most importantly, we would like to show our greatest respect to Mr. Lâm Hữu Khánh Phương, our supervisor, whose tremendous support and surprising yet innovative ideas contributed a great deal to the completion of our project. Without his encouragement and guidance, this project would probably not have materialized. More than that, we really appreciate the fact that he put us under no pressure whatsoever and always let us having fun while we were working on this project.

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Finally, we would like to express our deepest gratitude to our parents and our lecturers for always being there for us. We appreciate that they did a lot to gear us up for all the things we might encounter in our lives. We would not be who we are today if it weren’t for them.

Group 18  
*Nguyễn Phú An,  
Bùi Minh Đức,  
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# Terminology

|  |  |  |
| --- | --- | --- |
| No. | Terminology | Explanation |
| 1. | Customer | A person who needs to book rooms in hotels at their destination |
| 2. | Staff | A person in charge of managing their hotels |
| 3. | System Administrator | A system that provides hotel data including hotel information, room availability, and price changes |
| 4. | Delivery Request | A request sent by a customer to the staff to ask for a delivery request with the I-DELIVER system |

# Software User’s Manual



## Installation Guide

### Prerequisites

Before we install the application and throw it into operation, the preconditions about the environment and tools specified below must be satisfied.

Firstly, system requirements for the I-DELIVER application to run on top of are specified below:

* Personal computers for the minimum configuration: 2 Gb of RAM, 50Gb of hard disk, Core 2 Duo 2.0 Ghz;
* Microsoft Windows 7 or higher.
* At least 100MB for the application resources, and another 100MB for data storage.

Secondly, these tools must be installed in advance and run without errors:

* IIS Express 7.0 or higher
* SQL Server 2008 or higher,
* .NET Framework 4.5,
* WebDeploy 3.5

### Installation procedures

N/A

## User’s Guide

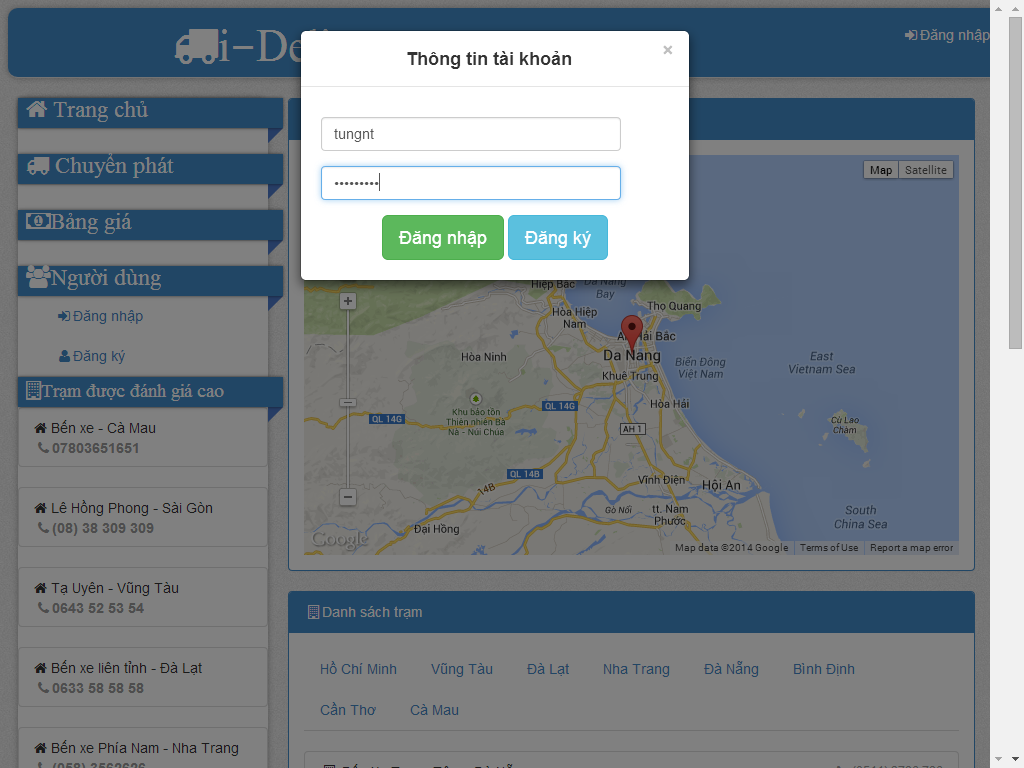


### Guides for Customer



#### Log in to the system

This function allows a user with a registered account to log in to the i-Deliver system.



4

4

3

2

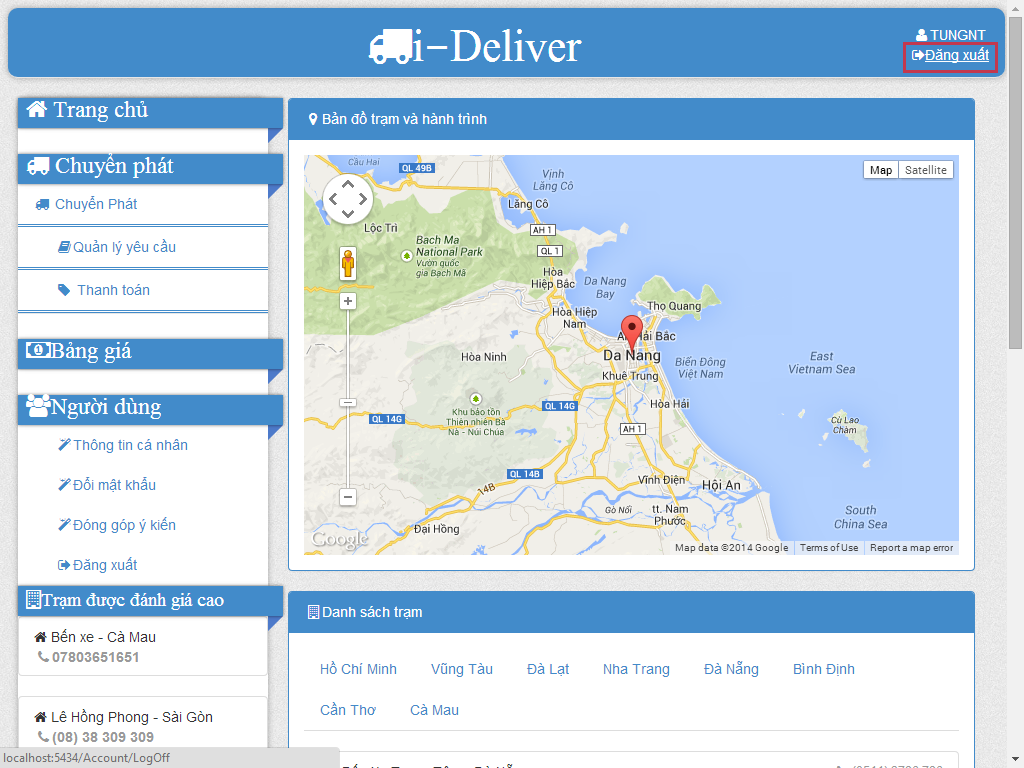
1

Screen . Login screen

|  |  |
| --- | --- |
| Step | Instruction |
| 1. | Click the “Đăng nhập” button on the menu bar of the “Trang chủ” page. |
| 2. | Fill the registered account in the “Tên đăng nhập” field |
| 3. | Fill the password in the “Mật khẩu” field |
| 4. | Click the “Đăng nhập” button to log in to the system. You will be redirected to the page you are viewing |

#### Log out of the system

This function allows the user to log out of the system after he or she finishes browsing the website.



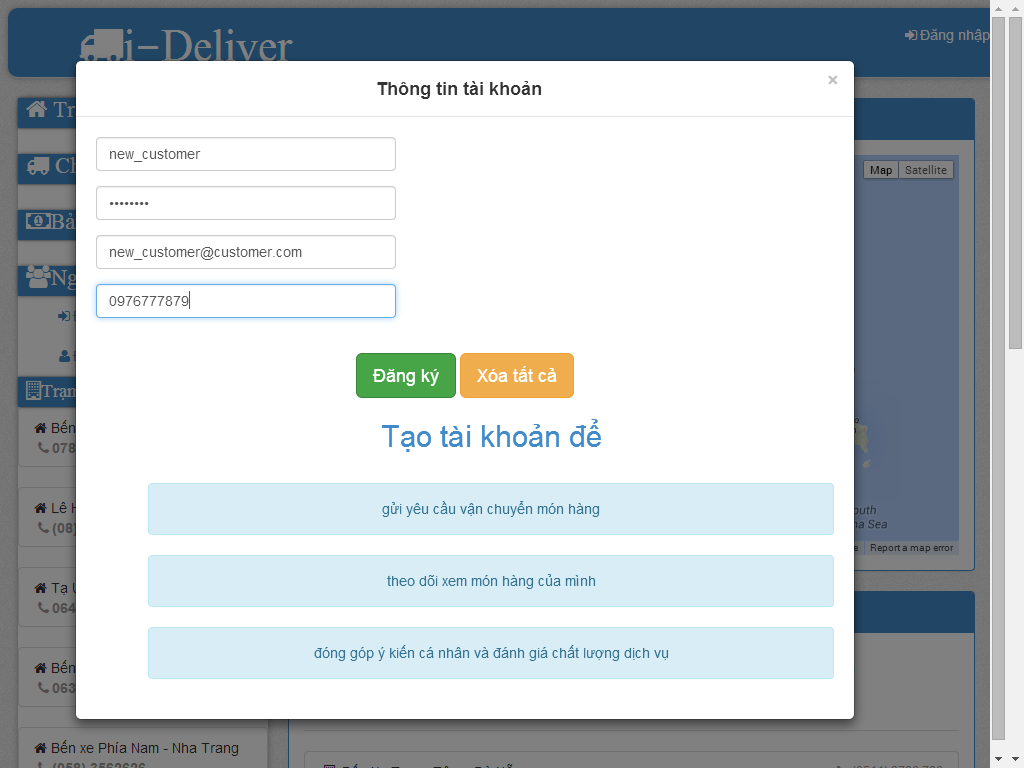
1

Screen . Logout screen

|  |  |
| --- | --- |
| Step | Instruction |
| 1. | Click the “Đăng xuất” link on top right of page you are viewing. You will be redirected to the page you are viewing if this page allows guests to access or the “Trang chủ” page otherwise. |

#### Register an account with Customer role

This function allows the user to register a new account with Customer role in the i-Deliver system.



2

1

Screen . Register screen

|  |  |
| --- | --- |
| Step | Instruction |
| 1. | Fill in the fields “Tên đăng nhập”, “Mật khẩu”, “Email” “Điện thoạiwith your username, password, email address, phone number.  Your input will be validated as you type. Please make sure that all the values that you provide are validated. |
| 5. | Click the button “Đăng ký” to proceed to register your account with Customer role.  If registered successfully, you will be redirected to the “Thông tin cá nhân” page to input profile information with the newly created account. |

#### Sent a delivery request

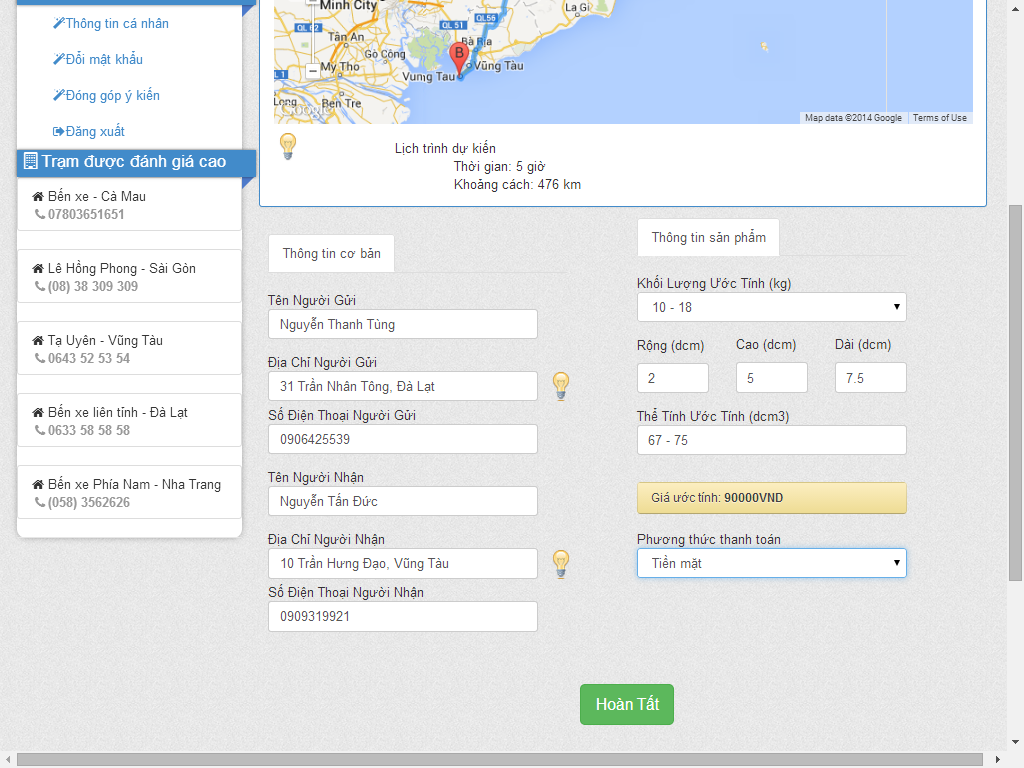
This function allows the user to send a delivery request to the i-Deliver system.

2

3

1

Screen . Home page screen

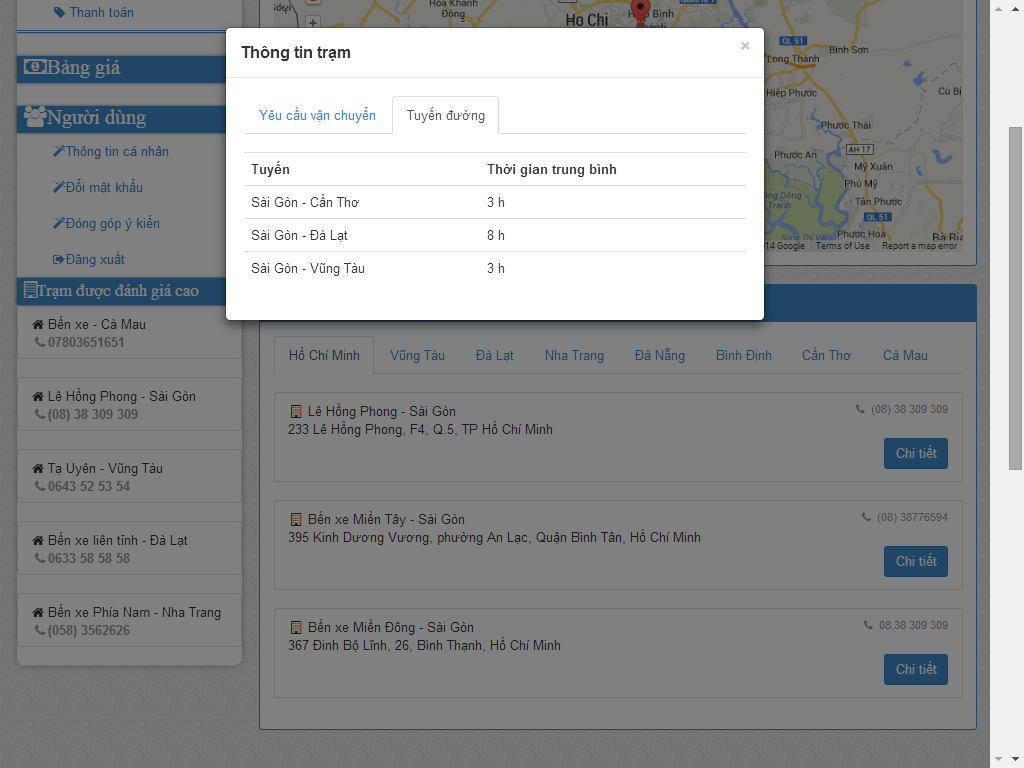


Screen . Send request page

|  |  |
| --- | --- |
| Step | Instruction |
| 1. | Click “Chuyển phát” link on the menu bar when you logged in with Customer role |
| 2. | Fill in all fields.  Your input will be validated as you type. Please make sure that all the values that you provide are validated. |
| 3. | Click the button “Hoàn tất”.  You will be redirected to payment page. |

#### View station details, rate, and comment

This function allows the customer to view details of a station information, review, and rate the station.

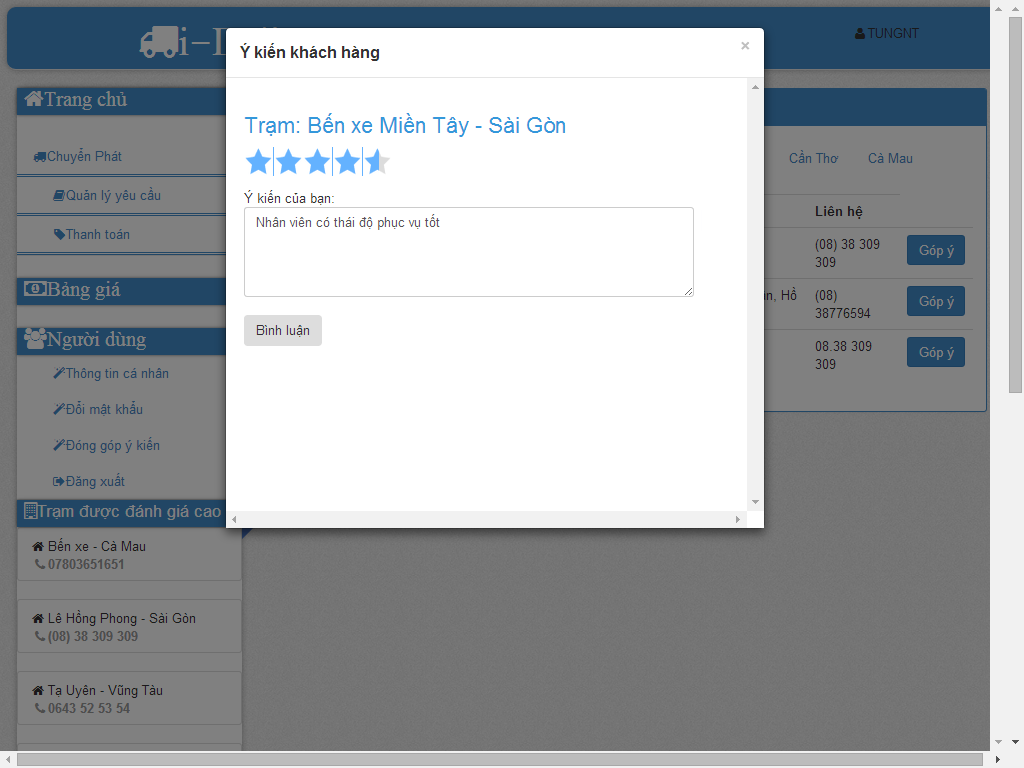
****

4

1

Screen . Station information view

|  |  |
| --- | --- |
| Step | Instruction |
| 1. | Click the “Chi tiết” button in the result list of stations sections. A popup wil be displayed to show route/stage information. |



**4**

**3**

**2**

|  |  |
| --- | --- |
| Step | Instruction |
| 2. | (Optional) Rate the hotel by different critiaria about station by checking the number of stars on rating bar. |
| 3. | (Optional) Fill your review about the hotel in the box “Ý kiến của bạn”. The content of the review can be your opinion on the station services, your personal experience, and what needs to be improved. |
| 4. | (Optional) Press the button “Bình luận” in order to submit a review for the hotel. |

#### Online payment

This function allows the customer make a payment online via PayPal.

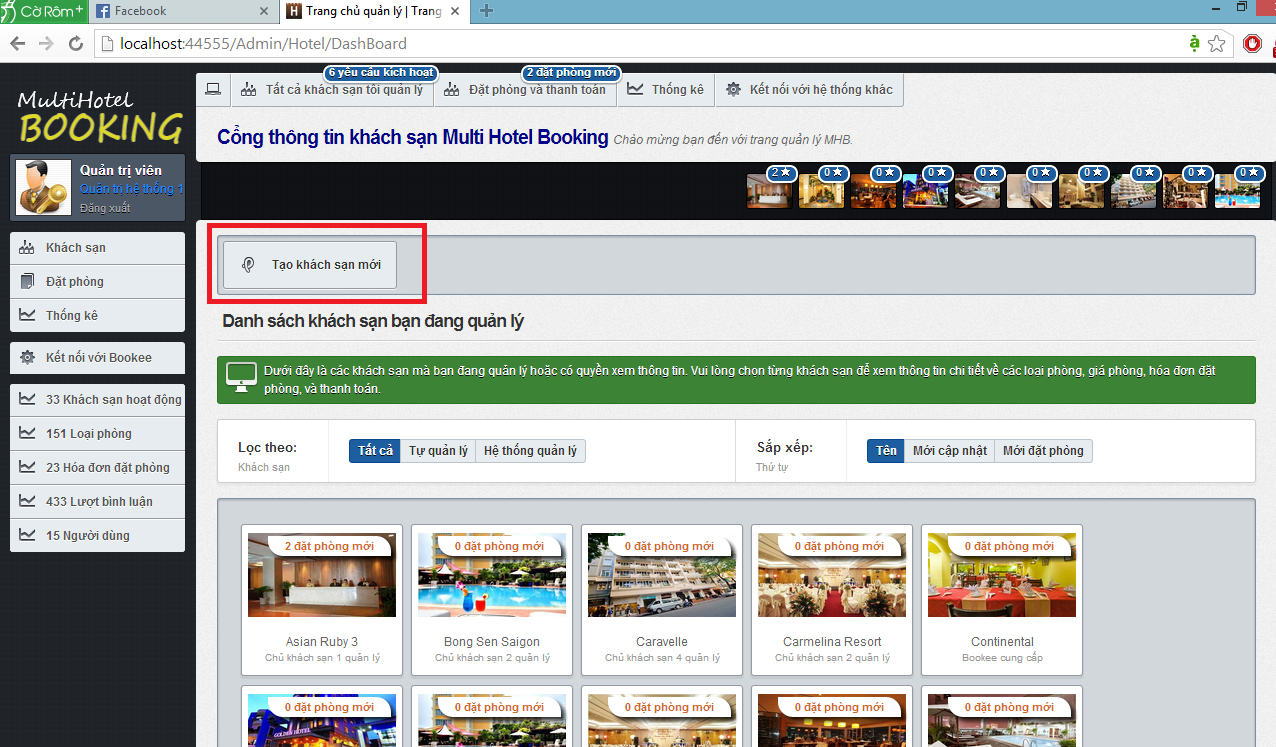
#### Tracking package(s)

### Guides for Staffs and System Admins



#### Approve pending requests

This function allows the staff to view all pending requests, input invoice for each request by click “Nhập hóa đơn” button then approve it after confirm payment for request by click “Xác nhận thanh toán” button.



**7**

**6**

Screen . Admin dashboard screen

**5**

**4**

**3**

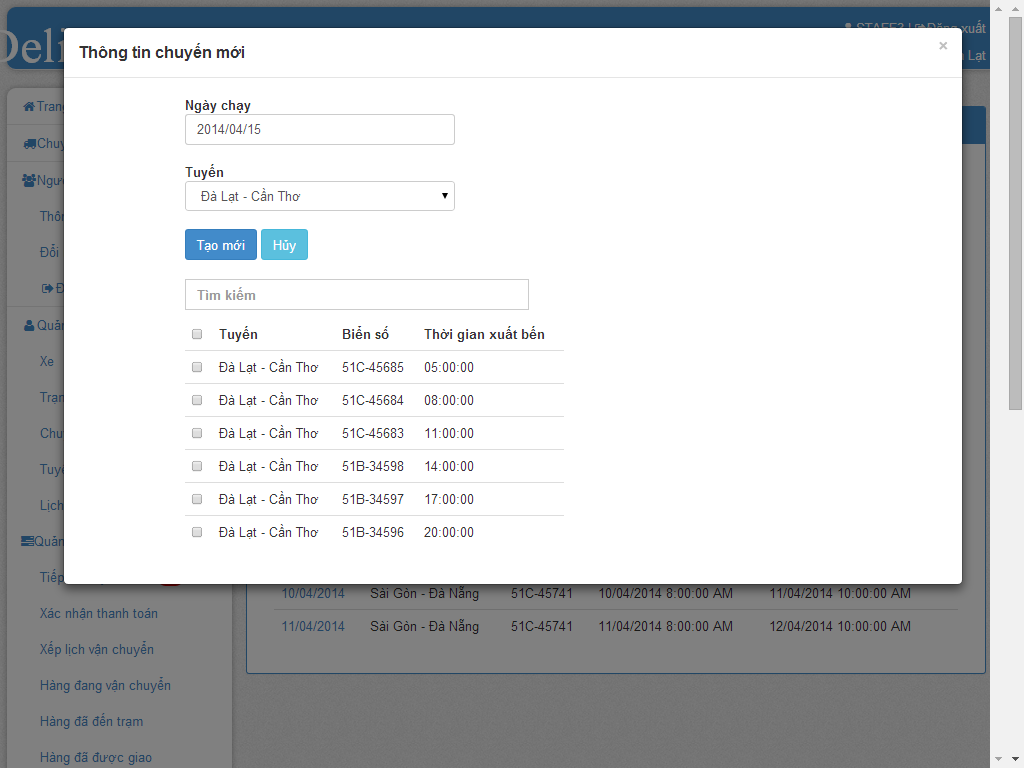
**2**

**1**

|  |  |
| --- | --- |
| Section | Description |
| 1. | The number of hotel opening request by hotel owner. This section is only available to System Admins. |
| 2. | The number of new bookings that need to be approved. |
| 3. | Ten hotels under your management that have the most new bookings. |
| 4. | Filters on local and external hotel. |
| 5. | Orders in which the hotels under your management should be displayed |
| 6. | All the hotels under your management |
| 7. | The menu bar that contains links to other pages. |

#### Create a trip

This function allows the staff to create a new trip for the system.



**3**

**2**

**1**

Screen . Create a hotel screen

|  |  |
| --- | --- |
| Step | Instruction |
| 1. | Select a date from datepicker |
| 2. | Select a route from select list |
| 3. | Check box to select specify schedule for selected route |
| 4. | Click “Tạo mới” to create new trip for selected route in selected date |

**6**

**5**

**4**

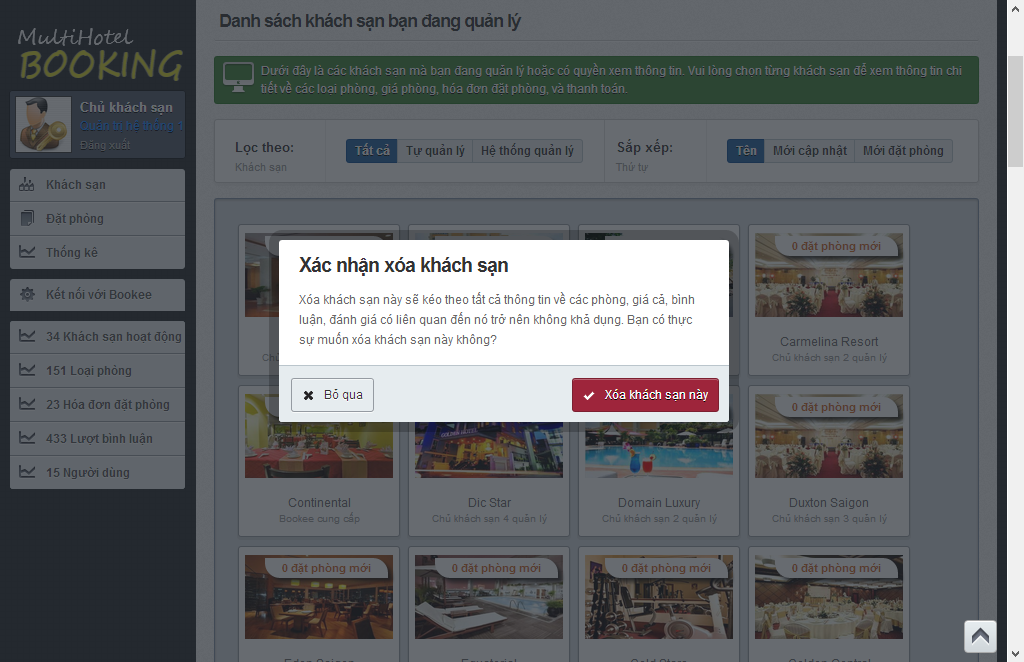
#### Assign package(s)

This function allows the user to delete a hotel under your management from the system. All the information related to this hotel (room types, prices, features, images…) will be deleted too.

****

**1**

Screen . Delete a hotel screen

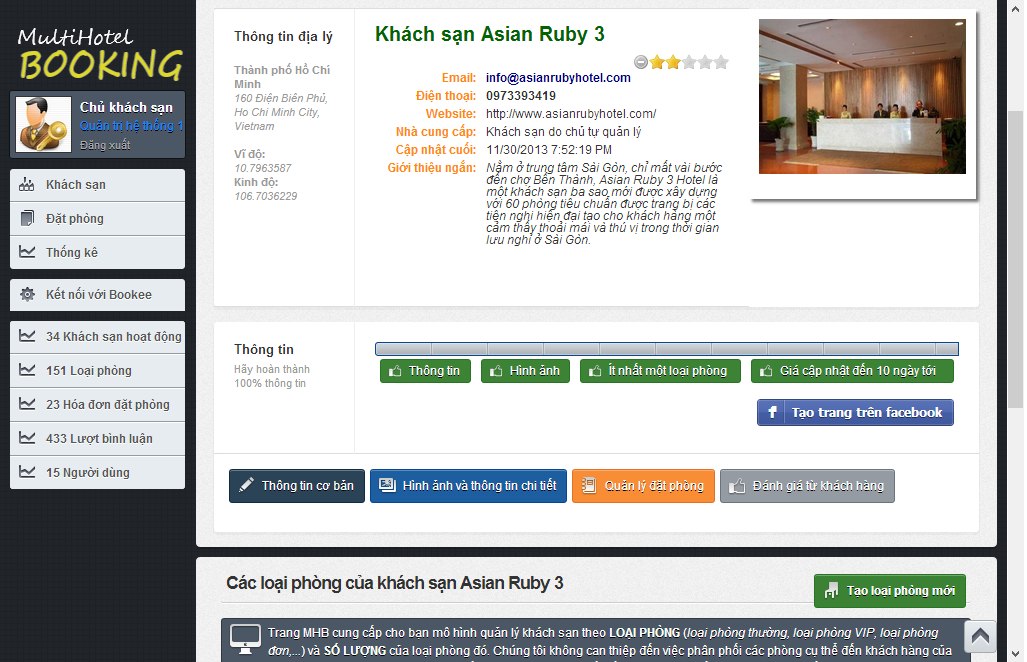
****

**2**

|  |  |
| --- | --- |
| Step | Instruction |
| 1. | Hover your mouse over a hotel and click  button. A pop up will be displayed to ask you to confirm if you really want to delete the hotel. |
| 2. | Click “Bỏ qua” button if you don’t to delete this hotel; or  Click “Xóa khách sạn này” button if you want to delete this hotel. |

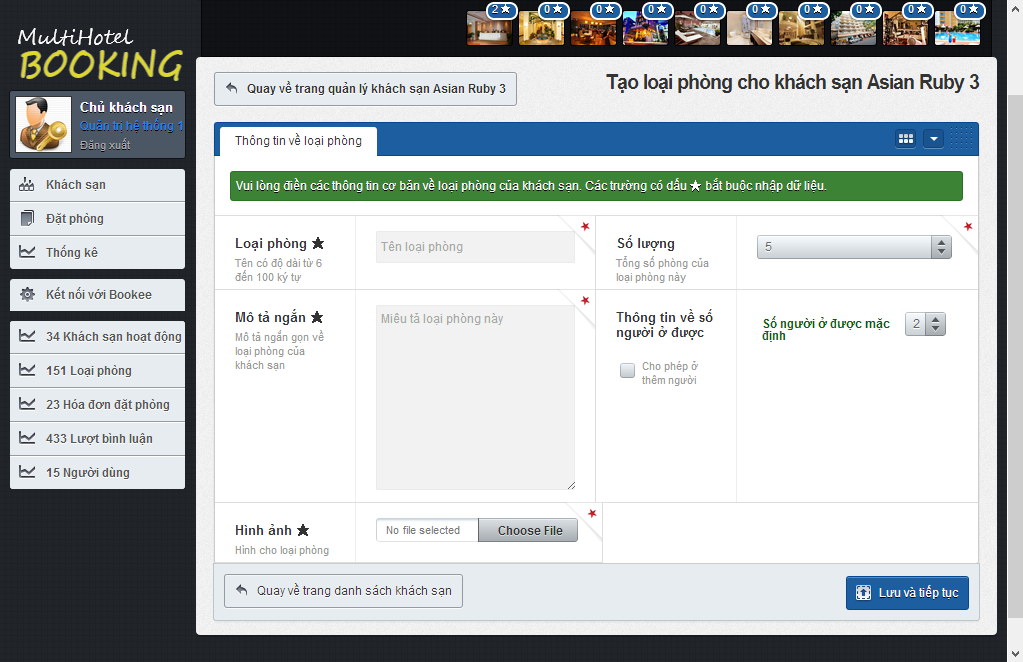
#### Confirm package(s) departed from start-station

This function allows the user to add a new room type for an existing hotel.



**1**

Screen . Hotel Details screen



**3**

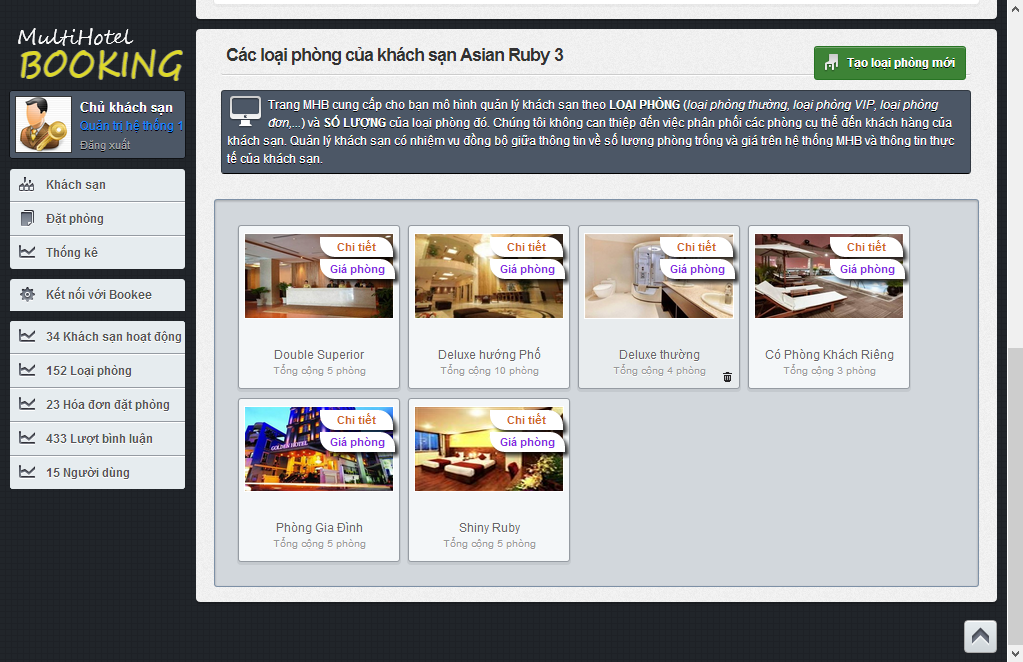
**2**

Screen . Add a room type screen

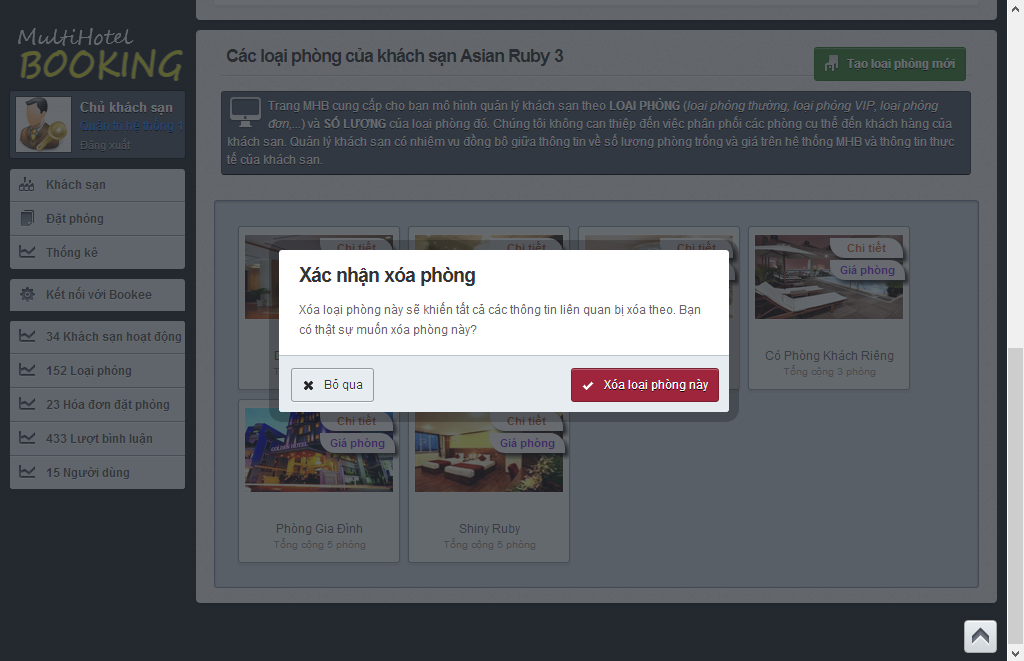
|  |  |
| --- | --- |
| Step | Instruction |
| 1. | Click the button “Tạo loại phòng mới” button in Hotel details page of the hotel you want to create a new room type. |
| 2. | Provide necessary information for the room type.   * Fill the name of the room type in the “Loại phòng” textbox; * Choose the number of rooms of this type in the “Số lượng” dropdownlist; * Fill a short description about this room type in the box “Mô tả ngắn” * Choose default number of persons who can stay in this room in the “Số người ở được mặc định” dropdown list and check/uncheck “Cho phép ở thêm người” to allow or not allow extra persons. * Choose room’s picture in “Hình ảnh” textbox by click “Choose file” button then choose a picture file and click Open. |
| 4. | Click the “Lưu và tiếp tục” button. The system will save the room type and redirect you back to the hotel management page of the room type newly added. |

#### Confirm package(s) arrived in end-station

This function allows the user to delete a room type of a hotel under your management from the system. All the information related to this room type will be deleted too.

****

1



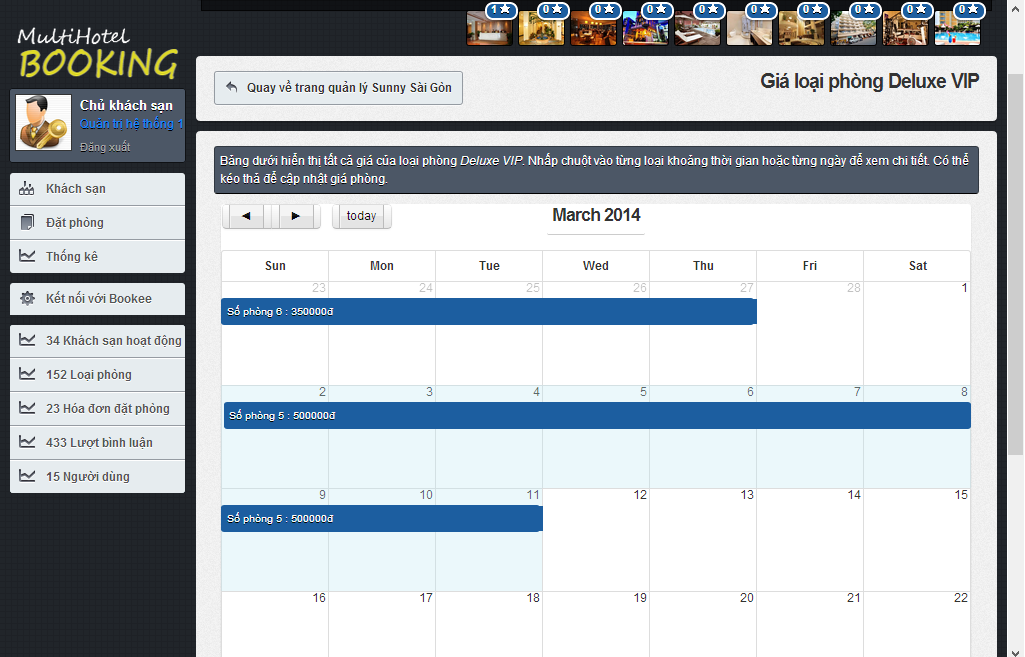
2

Screen . Delete a room type screen

|  |  |
| --- | --- |
| Step | Instruction |
| 1. | Hover your mouse over a room type and click  button. A pop up will be displayed to ask you to confirm if you really want to delete the room type. |
| 2. | Click “Bỏ qua” button if you don’t to delete this room type; or  Click “Xóa khách sạn này” button if you want to room type this hotel. |

#### Confirm package(s) delivered

This function allows a hotel owner to easily update the start date and end date of a price.

****

2

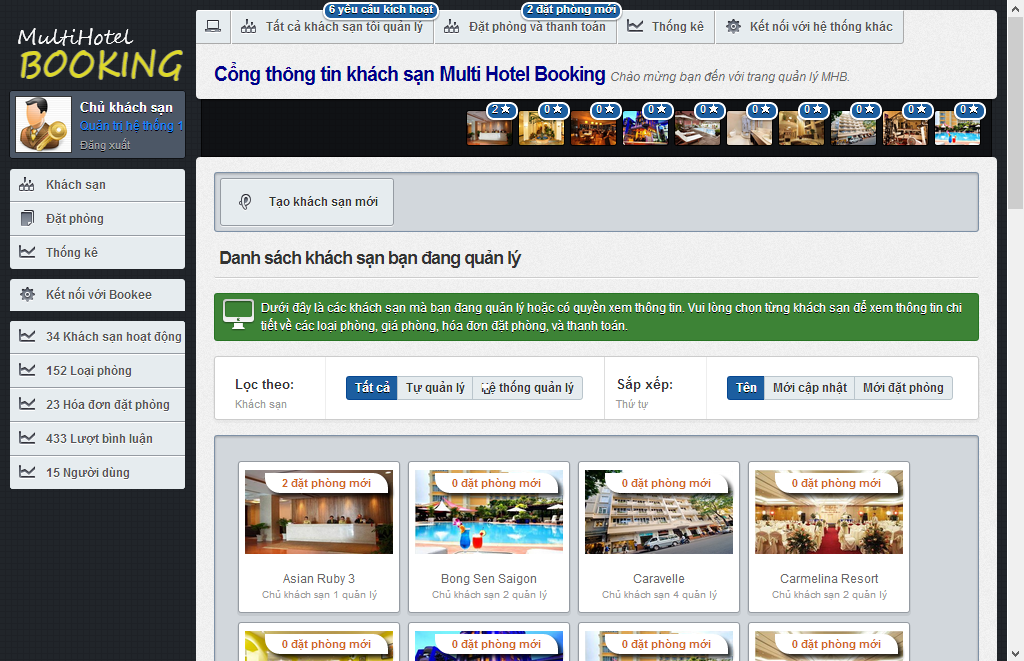
1

Screen . Resize a price screen

|  |  |
| --- | --- |
| Step | Instruction |
| 1. | **(**Optional) Click and hold the edge of a price bar you want to resize and drag it to your desired position in the price calendar. Release the mouse to update the price to the new position in calendar. |
| 2. | (Optional) Click and hold a price bar in the price calendar, then drag it to new position in the calendar. Release the mouse to drop the price to the new position in calendar. |

#### Prepare package(s) for return

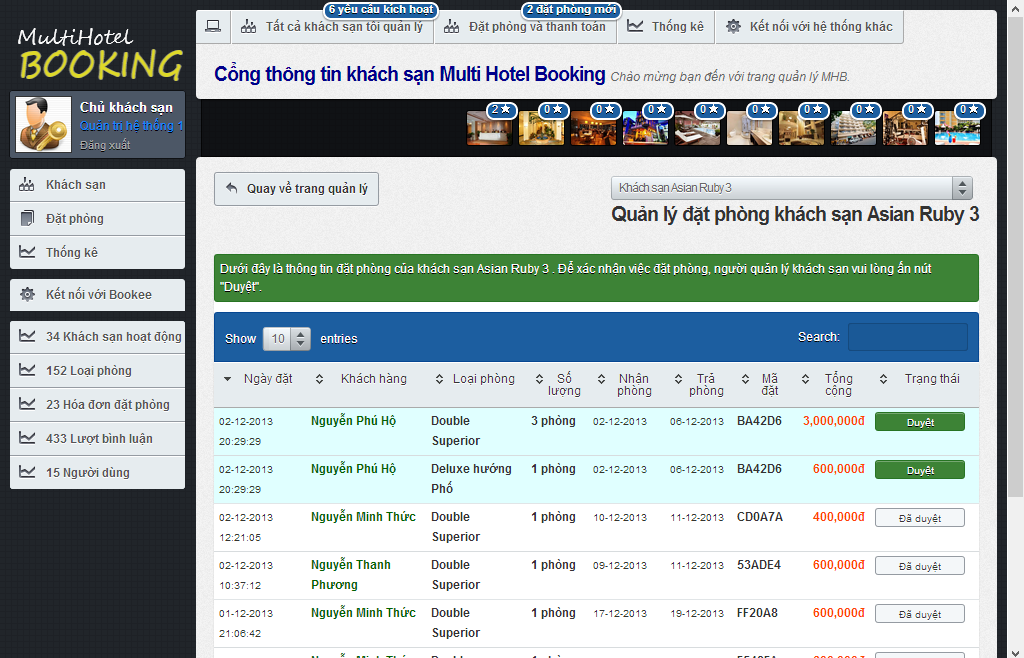
This function allows the user to verify that he or she has approved of a booking made by a customer.

****

1

1

Screen . Dashboard screen

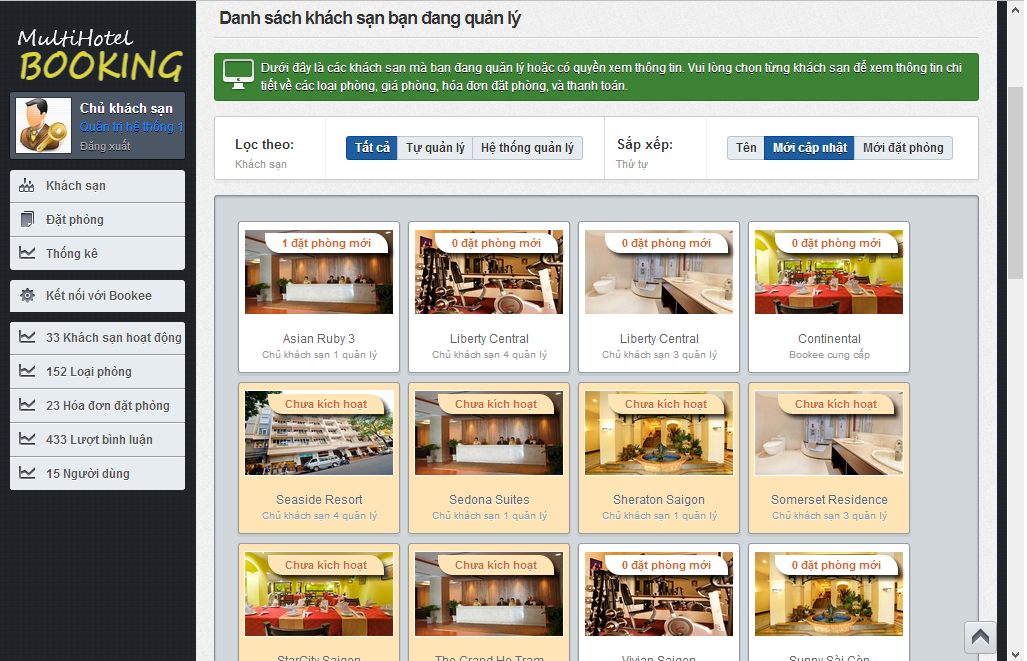


2

|  |  |
| --- | --- |
| Step | Instruction |
| 1. | In hotel dashboard page, click the notification bar of a hotel that has new bookings ade by customers; or click on the list of ten hotels that have the most new bookings at the top of the dashboard page. |
| 2. | Check the new booking, allocate the necessary rooms and services in your hotel, and click the button “Duyệt” to verify that you have approved of a booking. A notification is shown to you to notify that the booking was approved successfully.  Note that once you have “approved” of a booking, you cannot restore it back. |

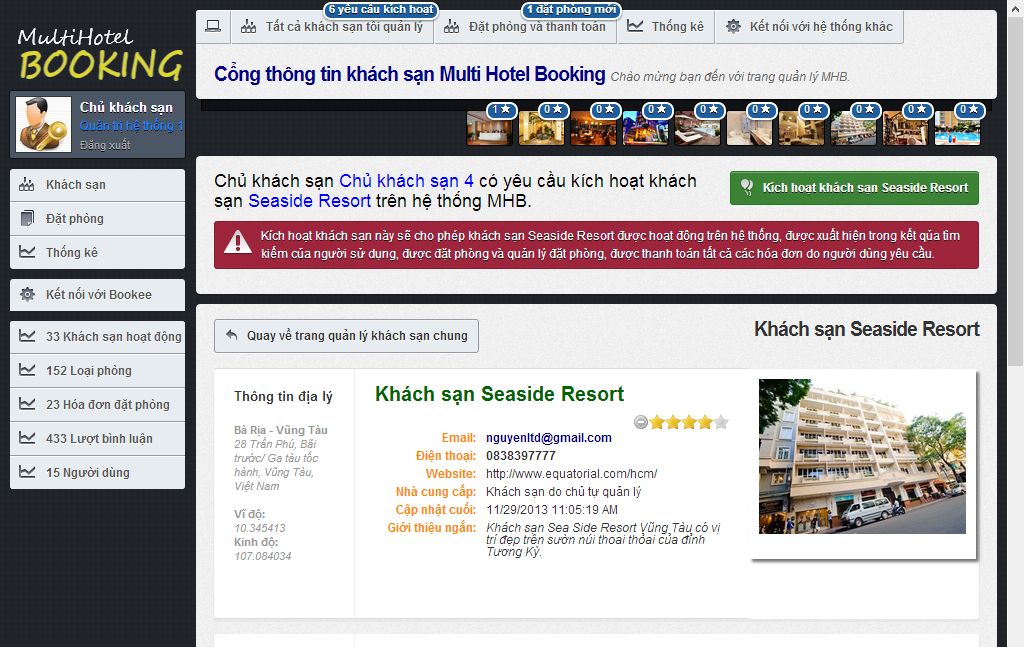
#### Extend due-date for online payment

This function allows a system admin to approve of a hotel opening request made by a hotel owner.

****

1

Screen . Hotel opening request screen



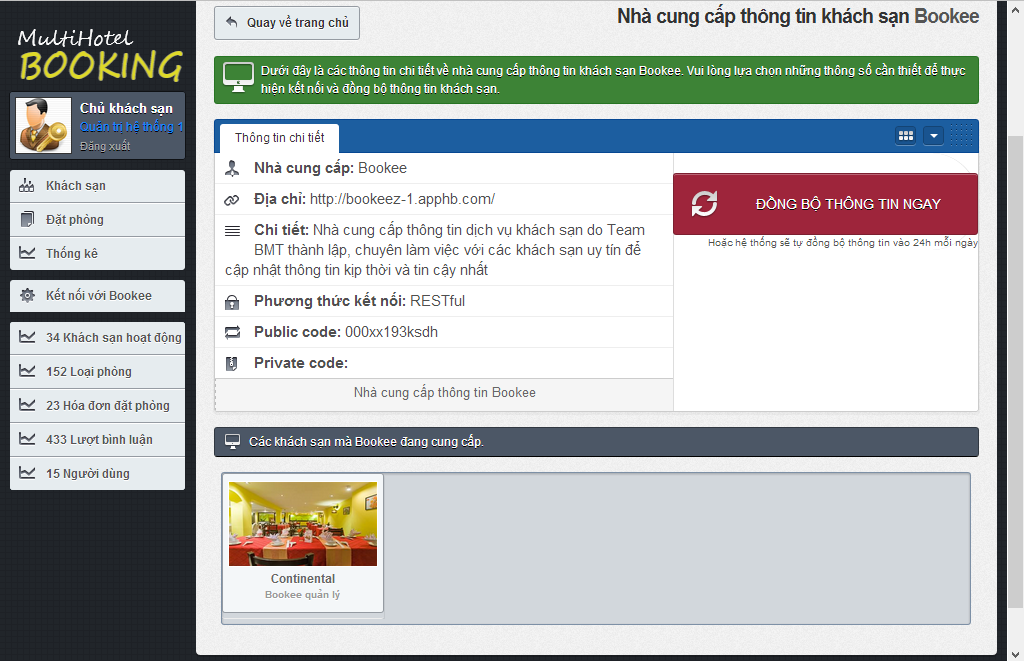
2

Screen . Approve hotel opening request screen

|  |  |
| --- | --- |
| Step | Instruction |
| 1. | Click on a hotel which is not approved by System Admin yet. You will be redirected to the hotel details page. At the top of this page is the content of the request. |
| 2. | Check the hotel information, make necessary contact with the hotel owner to verify the information. If the hotel is valid and can be put into operation on the I-DELIVER system, click the “Kích hoạt Khách sạn X” button, where X is the name of the hotel, to approve this hotel.  After the hotel is approved, you will be redirected back to the dashboard page. |

#### Statistics

This function allows a system admin to manually synchronize information about hotels provided by an external hotel provider (BMT in this case).



3

2

ĐỒNG BỘ GIÁ

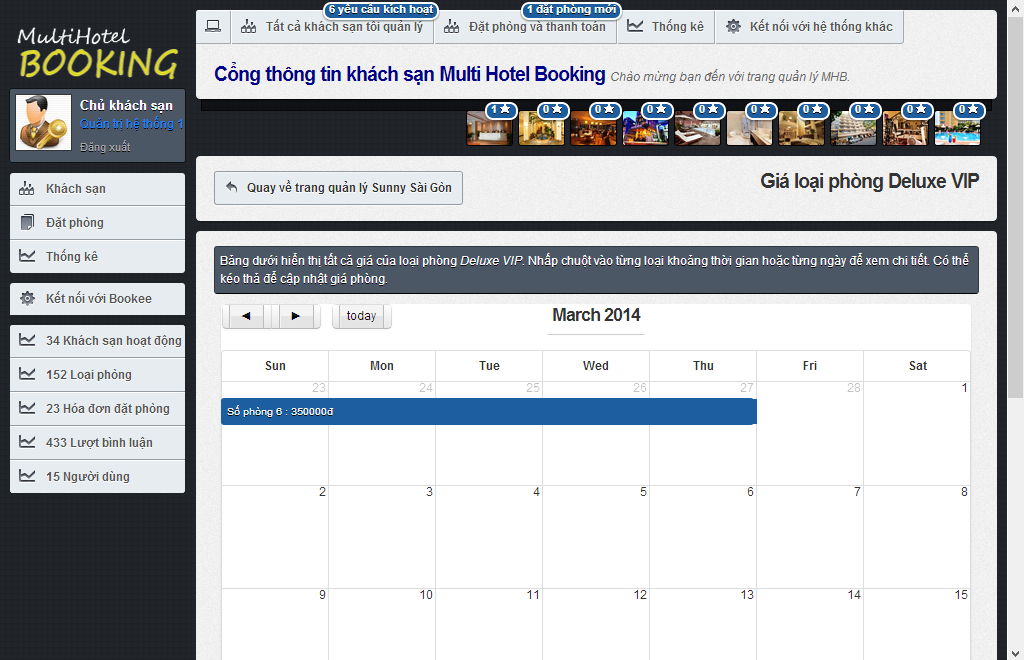
ĐỒNG BỘ THÔNG TIN

1

|  |  |
| --- | --- |
| Step | Instruction |
| 1. | Click the “Kết nối với Bookee” link in the menu bar. You will be redirected to the data synchronization page for this provider. |
| 2., 3. | Click the button “Đồng bộ thông tin” or “Đồng bộ giá” to synchronize data with provider. After you clicked this button, it will takes a while to synchronize the data between the two systems. If you don’t want to wait, you can go to another page, because the synchronization will still continue.  Once the data is completely synchronized, the page will refresh and show a log of the synchronization process. |

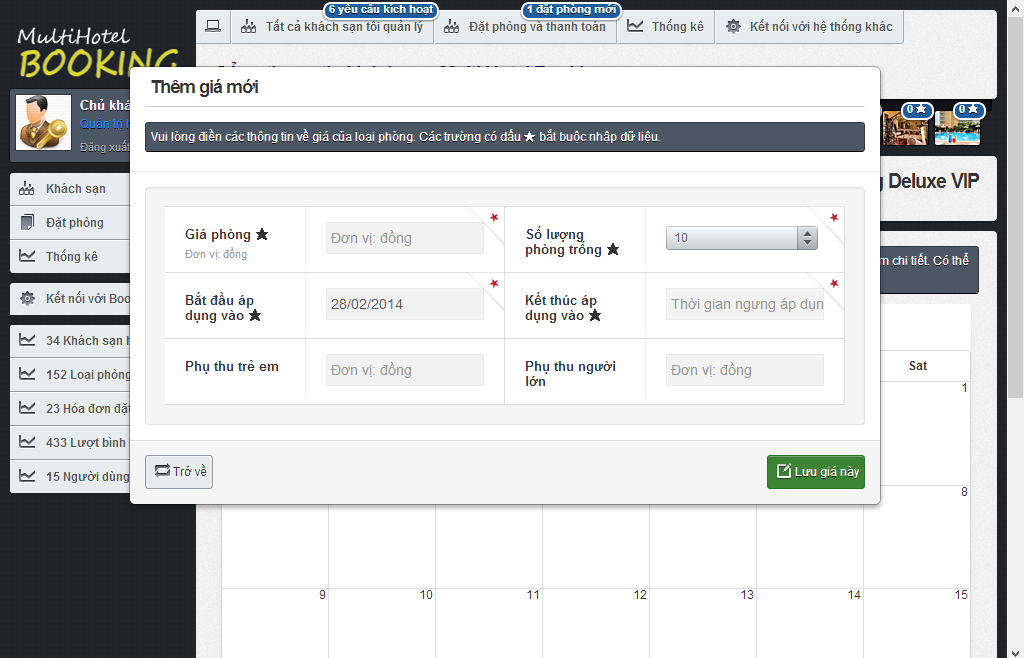
#### Add a price

This function allows a hotel owner to add a new price for the selected room type.

****

1

Screen . Price calendar screen



3

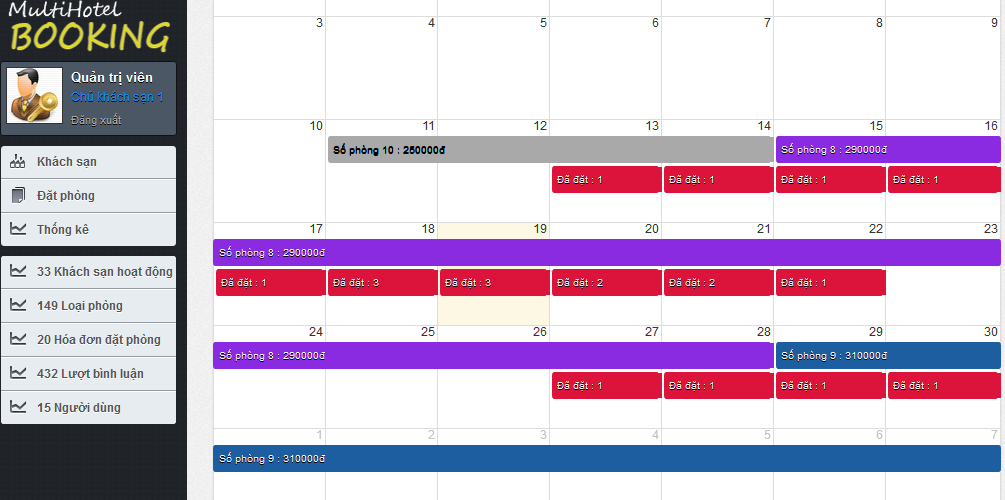
2

Screen . Add a price screen

|  |  |
| --- | --- |
| Step | Instruction |
| 1. | Click on an empty date you want to add new price in the price calendar for the selected room. A popup window will be displayed to add a new price for the date. |
| 2. | Provide necessary information about the new price:   * Fill the price in Vietnam Dong in the “Giá phòng” textbox; * Choose the number of rooms available for the period in the “Số lượng phòng trống” dropdown list; * Choose the start date and end date of the price; * Fill the price for extra children in “Phụ thu trẻ em”, if any; * Fill the price for extra adults in “Phụ thu người lớn”, if any.   Your input will be validated as you type. |
| 3. | Click the “Lưu giá này” button. The price will be saved and added to the calendar. |

#### Monitor prices

This function allow a hotel owner to monitor the prices of a room type in a hotel under his or her management. In addition, the screen also allows to see the bookings made on a specific day for a room type.



4

3

2

1

Screen . Price calendar screen

|  |  |
| --- | --- |
| Section | Description |
| 1. | A price bar (in gray) that represents a price in the past. You cannot drag, drop, or resize the price bar because the price is no longer active for the room type. |
| 2. | A price bar (in violet) that represents a price crossing from the past to the future (including the current system date). You can drag, drop, and resize the future part of the price bar to update the price in the future. |
| 3. | A price bar (in blue) that represents a price in the future. You can drag, drop, and resize this price bar to update the price in the future. |
| 4. | The number of bookings made on a specific day for the selected room type. |

# Appendix

## Reference

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