

## Technical design

### 1.What's WordPress?

WordPress is often perceived as a simple blogging application. WordPress has grown into a full-fledged Content Management System (CMS) that powers millions of websites all over the world. The New York Times, Ebay Inc, Sony Music, Bata, LinkedIn, Flickr, Usain Bolt, are some of the WordPress users.

If the platform wasn't reliable, it wouldn't be so widely used. Big-name sites like TED, TechCrunch, UPS, and CNN all use WordPress.

Each month roughly 70 million new posts are published on WordPress. Those posts generate about 77 million new comments over the same period of time.

Considering the fact that WordPress is used by about one-third of websites across the globe, it's safe to say that your site will be in good hands if you use it as well.

### 2. Great support

Since WordPress is used by so many people all over the world, there are countless guides, tutorials, and resources that can be found online. You can take advantage of WordPress forums where you can communicate with others who use the planet's most popular CMS.

Aside from those options, you can also get help and support directly from the WordPress support team.

If you have a paid WordPress plan, you'll have access to live chat support 24 hours per day, Monday to Friday. For those of you who have business or ecommerce plans, you can even reach live chat agents on the weekends.

### 3. SEO-friendly

SEO can make or break the success of your website. So it's something that you need to start focusing on from the inception of your site.

WordPress makes this easy by having some built-in tools that tell you how SEO-friendly your content is. Although most of you will want to upgrade from the basic SEO tools and install a WordPress SEO plugin.

### 4. Flexibility

WordPress can be as in-depth and complex or as simple as you want it to be.

You have the option to just use the basic version of the platform to publish blog posts. Or on the other side of the spectrum, you can use it for your business website and add widgets and plugins to add functionality.

Nearly anything that you want to do with your website can be accomplished with WordPress.

## 5. Security

In general, WordPress is a safe and secure platform. But it doesn't mean you're completely vulnerable from malicious attacks, hackers, and malware on your website.

Fortunately, WordPress makes it easy for you to enhance your site's security with features like password protection for folder contents.

Keeping your WordPress version up to date will also fight off bugs and potential security threats.

It's also easy to enable an SSL certificate for your WordPress site.

Again, you may need to install a plugin or third-party application for that to happen, but the possibilities are still there.

## 6. REST API

Most of what we talked about today has been geared toward WordPress beginners. But the platform has plenty of advanced features as well.

## Configuration and Installation

Before Install and Requirements on the server side

PHP 7.3 or greater

MySQL 5.6 or MariaDB 10.1 or greater

phpMyAdmin

WordPress 5.4.1

Optional: Email server

Https & SSL

Bootstrap 4.4 version

## Basic Instructions

1.Download and unzip the WordPress package if you haven't already.

2.Create a database for WordPress on your web server, as well as a MySQL (or MariaDB) user who has all privileges for accessing and modifying it.

3.(Optional) Find and rename wp-config-sample.php to wp-config.php, then edit the file (see Editing wp-config.php) and add your database information.

Note: If you are not comfortable with renaming files, step 3 is optional and you can skip it as the install program will create the wp-config.php file for you.

4.Upload the WordPress files to the desired location on your web server:

- If you want to integrate WordPress into the root of your domain (e.g. <http://example.com/>), move or upload all contents of the unzipped WordPress directory (excluding the WordPress directory itself) into the root directory of your web server.
- If you want to have your WordPress installation in its own subdirectory on your website (e.g. <http://example.com/blog/>), create the blog directory on your server

and upload the contents of the unzipped WordPress package to the directory via FTP.

Note: If your FTP client has an option to convert file names to lower case, make sure it's disabled.

5.Run the WordPress installation script by accessing the URL in a web browser. This should be the URL where you uploaded the WordPress files.

- If you installed WordPress in the root directory, you should visit:  
<http://example.com/>
- If you installed WordPress in its own subdirectory called blog, for example, you should visit: <http://example.com/blog/>

#### Install Plugins list

On this project, we need some plugins for the booking function Member function and Live Chat function, Strengthen Security function.

### **BOOKING SYSTEM**

#### Advanced Booking Calendar 1.6.4

- Fully **responsive**, backend and frontend. Check your availabilities on your phone.
- Bookings stored in **your WordPress database**
- Booking will **generate an email** where you can accept or reject bookings
- Guests will receive emails when their **reservation** is generated, confirmed or rejected
- **Easy to manage prices** by seasons and room types
- All reservations are **easy to access and manage** in the backend.
- Change the **minimum number of nights** a guest has to stay for different seasons.

#### *BOOKING CALENDAR*

- Calendar **overview** for all your active rooms in your Hotel
- Single **calendar for each room type**
- Create calendars for up to 15 rooms
- Every calendar is responsive and **works great on mobile**

#### *BOOKING FORM*

- Responsive form that **searches for matching rooms** by date and guest count
- Inputs can be stored in **Cookies**
- Generates one reservation per booking

#### *ANALYTICS*

- Analytic function helps you to identify high seasons
- Find the best pricings for your Hotel

- See how many requests fail and what the average person count is

### GOOGLE RECAPTCHA LOGIN CHECKING

Support Google reCAPTCHA v2 and v3 type

		April 2016													
		Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon			
		1	2	3	4	5	6	7	8	9	10	11			
Double Room Standard															
Family Room															
Luxury Double Room															

March 2017						
Mo	Tu	We	Th	Fr	Sa	Su
			1 € 150	2 € 150	3 € 150	4 € 150
6 € 150	7 € 150	8 € 150	9 € 150	10 € 150	11 € 150	12 € 150
13 € 150	14 € 150	15 € 150	16 € 150	17 € 150	18 € 150	19 € 150
20 € 150	21 € 150	22 € 150	23 € 150	24 € 150	25 € 150	26 € 150
27 € 150	28 € 150	29 € 150	30 € 150	31 € 150		

□ Available    ■ Partly booked    ■ Fully booked

Checkin: 28.03.2017
Checkout: 31.03.2017
Total price: € 450

[Book now](#)

Checkin
Persons

1

Checkout

[Check availabilities](#)

**Available rooms for your stay:**

**Room Type Superior, 2P**
**Room Type Family, 4P**

2 Person Apartments. Room type: Superior, Twin Bed, Sea View
4 Person Apartments. Room type: Family, One Twin Bed, Two separate Beds

Total price: 700 €, average: 100,00 €
Total price: 770 €, average: 110,00 €

[Book now](#)

**Standard, 2P**
**Standard, 4P**

2 Person Apartments. Room type: Standard, Twin Bed
4 Person Apartments. Room type: Standard, Twin Bed

Total price: 280 €, average: 40,00 €
Total price: 270 €, average: 40,00 €

[Book now](#)

## Bookings

Booking calendar for April 2016:

Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
9 Apr	10 Apr	11 Apr	12 Apr	13 Apr	14 Apr	15 Apr	16 Apr	17 Apr	18 Apr	19 Apr	20 Apr	21 Apr	22 Apr	23 Apr	24 Apr

A booking for Smith, Jane (2 persons) from 08.04.2016 to 22.04.2016 is highlighted.

Room assignments:

- Double Room Standard (DRS 1): White, 2 persons
- Double Room Standard (DRS 2): Smith, 2 persons, 12...
- Family Room (FR 1): Peterson, 1 person, ...
- Family Room (FR 2): Jackson, 3 ...
- Luxury Double Room (LDR 1): Sky, ...
- Luxury Double Room (LDR 2): Miller, 2 persons, 2100...

## Seasons & Calendars

Seasons & Calendars

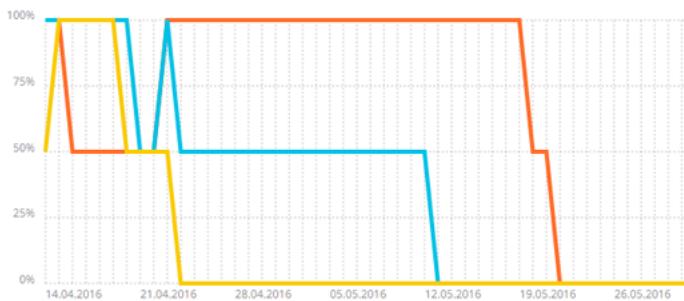
Existing Assignments

Calendar	Season	Date	Edit	Delete
Room Type Family	High Season Family - 130,00€	07.07.2015 - 15.07.2015	Edit	Delete
Room Type Family	Low Season Family - 110,00€	16.07.2015 - 31.07.2016	Edit	Delete
Room Type Superior	Low Season Standard - 60,00€	16.06.2015 - 30.06.2015	Edit	Delete
Room Type Superior	Low Season Superior - 90,00€	16.01.2016 - 24.01.2016	Edit	Delete
Room Type Superior	Low Season Superior - 90,00€	24.01.2016 - 26.01.2016	Edit	Delete

Checkin Checkout Calendar, Room Name Email Phone Address Price Message

23.04.2016	24.04.2016	Luxury Double Room, LDR 1	Michael Franks	nn@gmail.com	+1555123456	Lange Str. 1, 12412 Berlin, Germany	140	<button>Change room</button>	<button>Cancel</button>
23.04.2016	24.04.2016	Family Room, FR 1	Peter Jones	nn@gmail.com	+1555123456	Theresienwiese 1, 80668 Munich, Germany	150	<button>Change room</button>	<button>Cancel</button>
08.04.2016	23.04.2016	Luxury Double Room, LDR 2	Rose Miller	nn@gmail.com	+1555123456	Wide Road 2, 12312 Boston, USA	2100	<button>Change room</button>	<button>Cancel</button>
08.04.2016	22.04.2016	Double Room Standard, DRS 2	Jane Smith	nn@gmail.com	+1555123456	Grand Rue 1, 23456 Paris, France	1260	<button>Change room</button>	<button>Cancel</button>

## Occupation Rate of each calendar for the next 60 days



## Number of requests for the next 60 days



## Settings

General Settings

Email Settings

Email:

info@booking-calendar-plugin.com

This Email Address will receive all booking requests

Advanced Booking Calendar  
Newsletter:

Yes, I want to get vital informations on how to run my Advanced Booking Calendar

No, disable the newsletter

You will receive regular tips on how to create great Hotel Calendars. We will never spam you. You can unsubscribe anytime.

Page with booking form:

Calendar Overview  Manage Pages

Select the page which uses the booking form shortcode. The page will be linked, if user selects date and time.

Currency:

€

Example: € or \$

Date format:

01.12.2016 

Price format:

0,00 

Cookies:

Enabled

Disabled

If cookies are enabled, customer date inputs are saved.

Google Analytics:

Enabled

Disabled

If enabled, user interactions with calendars and forms will be tracked. Configure Universal Analytics separately. We recommend Google Analytics.

**Save**

## Placeholders

You can use the following placeholder in both subject and text. They will be replaced with the actual content when the email is send to the guest:

[abc\_calendar\_name], [abc\_total\_price], [abc\_checkin\_date], [abc\_checkout\_date],  
[abc\_person\_count], [abc\_first\_name], [abc\_last\_name], [abc\_email], [abc\_phone],  
[abc\_address], [abc\_zip], [abc\_city], [abc\_country], [abc\_message].

## Templates

### Unconfirmed Booking

Subject for an unconfirmed booking mail

Your booking at Wordpress DEV - [abc\_checkin\_date] - [abc\_checkout\_date]

Text for an unconfirmed booking mail

Hi [abc\_first\_name]!  
Thank you for booking at Wordpress DEV. Your booking has not yet been confirmed. Please wait for an additional confirmation email.

Your details:

Room type: [abc\_calendar\_name]

Total price: [abc\_total\_price]

Checkin - Checkout: [abc\_checkin\_date] - [abc\_checkout\_date]

Number of guests: [abc\_person\_count]

Full Name: [abc\_first\_name] - [abc\_last\_name]

## Member System

## Ultimate Member 2.1.5

Ultimate Member is the #1 user profile & membership plugin for WordPress. The plugin makes it a breeze for users to sign-up and become members of your website. The plugin allows you to add beautiful user profiles to your site and is perfect for creating advanced online communities and membership sites. Lightweight and highly extendible, Ultimate Member will enable you to create almost any type of site where users can join and become members with absolute ease.

The screenshot shows the login interface for the Ultimate Member plugin. At the top, there is a navigation bar with links for "UM Demo", "Activity", "Members", a search bar, and buttons for "Login" and "Register". The main area is titled "Login". It contains fields for "Username or E-mail" and "Password". Below these is a reCAPTCHA field with the text "I'm not a robot" and a checkbox. There is also a "Keep me signed in" checkbox. At the bottom, there are "Login" and "Register" buttons, and a link for "Forgot your password?".

UM Demo    Activity    Members    Search    Login    Register

### Login

Username or E-mail

Password

I'm not a robot    reCAPTCHA  
Privacy - Terms

Keep me signed in

**Login**    Register

[Forgot your password?](#)



Sarah Miller  
[View profile](#)

-  Account >
-  Change Password >
-  Privacy >
-  Notifications >
-  Web notifications >
-  My Photos >
-  Delete Account >

**Change Password**

Current Password

New Password

Confirm Password

**Update Password**

 [Dashboard](#)

 [Posts](#)

 [Media](#)

 [Pages](#)

 [Comments](#)

 **Ultimate Member**

- [Dashboard](#)
- [Settings](#)
- [Forms](#)
- User Roles**
- [Member Directories](#)
- [Extensions](#)
-  [Appearance](#)
-  [Plugins](#)
-  [Users](#)
-  [Tools](#)
-  [Settings](#)
-  [WP Sandbox](#)
-  [Collapse menu](#)

### Add New Role

Enter Title Here

**Administrative Permissions**

Can access wp-admin?

Force hiding adminbar in frontend?

Can edit other member accounts?

Can delete other member accounts?

**General Permissions**

Can edit their profile?

Can delete their account?

**Profile Access**

Publish

Role Priority

**Create Role** **Cancel**

The screenshot shows the 'Ultimate Member - Settings' page. The left sidebar has a dark theme with various menu items like Dashboard, Posts, Media, Pages, Comments, Ultimate Member (which is active), Settings, Appearance, Plugins, Users, Tools, and Extensions. The main content area has a light background. At the top, there's a navigation bar with tabs: General (selected), Access, Email, Appearance, Misc, and Install Info. Below the tabs are links to Pages, Users, Account, and Uploads. A sub-navigation bar shows Profile Permalink Base set to 'Username'. There are several configuration options with checkboxes:

- Automatically redirect author page to their profile? (checked)
- Enable Members Directory (checked)
- Use Gravatars? (unchecked)
- Require a strong password? (when user resets password only) (unchecked)

A 'Save Changes' button is at the bottom left. At the bottom right, there's a message about leaving a review and the text 'Version 5.0.2'.

## Live Chat System

WP-Live Chat 8.1.7

### OVERVIEW

Once the live chat plugin is activated, click on “Live Chat” in the left menu navigation. As soon as a visitor lands on your website, their details will be displayed in the live chat control panel. A live chat box will be displayed on their screen. If they fill out their details and click “Start chat”, a ringing sound will trigger in your live chat control panel. Once you accept the chat, you can converse with your visitor.

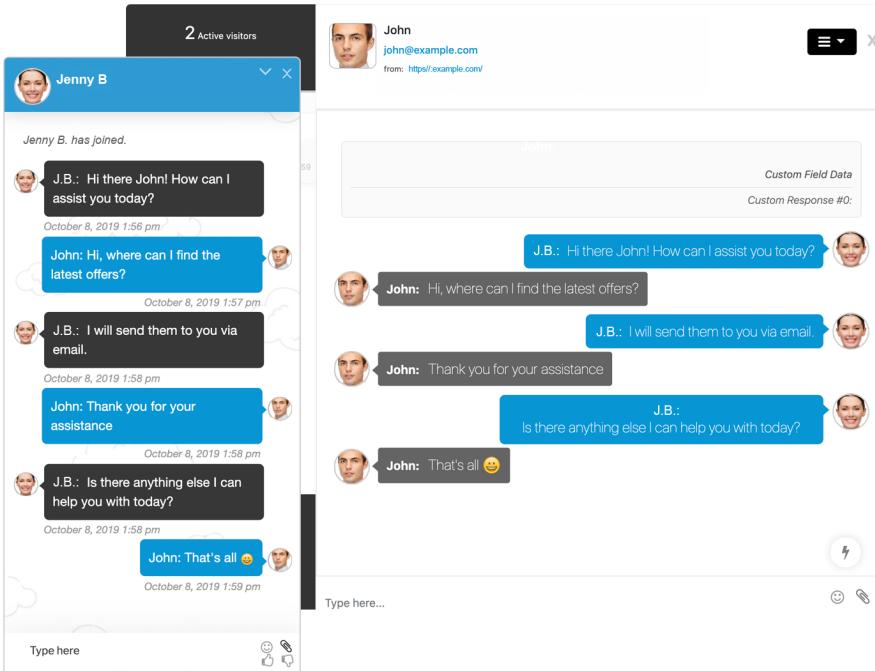
Dashboard show Maximum last 90 days analytics.

One by one user history export download.

Analytics report.

All message Encryption by MD5.

Business Hours and offline messages.



**Questions?**  
**Chat with us**

Hello. Please input your details so that I  
may help you.

John

john@example.com

Powered by WP Live Chat by 3CX

- I agree for my personal data to be processed and for the use of cookies in order to engage in a chat processed by Marketing Sandbox, for the purpose of Chat/Support, for the time of 30 day(s) as per the GDPR.

We use WP Live Chat by 3CX as our live chat platform. By clicking below to submit this form, you acknowledge that the information you provide now and during the chat will be transferred to WP Live Chat by 3CX for processing in accordance with their Privacy Policy.

**Start Chat**

Marketing Sandbox

WordPress 5.2.3 is available! Please update now.

## Dashboard

Current activity: 2 Active Visitor(s) and 2 Active Agent(s).

	Chats	Missed	History	Reports	
Offline Messages	...	Quick Responses	Tools	Settings	

	Chats	Missed	Engaged	Total
Today	0	4	4	
Last 30 days	24	50	74	
Last 60 days	31	78	109	
Last 90 days	51	174	225	

## Latest News

**WP-Live Chat Support Releases Biggest Update yet and Now Runs on Google App Engine**  
Fri, 05 Jul 2019

The WP-Live Chat Support Plugin just got even better. We've just released our biggest update yet, update 8.0.36, with a whopping 191 changes! These changes include a move away from EvenNode and... [Read More](#)

**IMPORTANT: Vulnerability found in WP-Live Chat plugin**  
Fri, 17 May 2019

A security vulnerability has been discovered in the WP-Live Chat & Support plugin. We urge you to update the plugin from your WordPress dashboard as soon as possible. Affected Versions: 8.0.15... [Read More](#)

**Faster & better website communication with our latest update**  
Mon, 15 April 2019

Not only have we made all the features offered by WP-live chat completely free, we've also made the plugin faster and more reliable. How? We've added 16 servers to our infrastructure! That's... [Read More](#)

**No more API Keys. Simple Installation with Latest Plugin Update**  
Tue, 28 May 2019

The latest update for the WP-Live Chat Support plugin removes the need to register and get an API key in order to unlock all features (previous PRO features). All you need to do is download the... [Read More](#)

**No More Pro. All WP-Live Chat features included for free in latest update**  
Fri, 17 May 2019

The latest update to the WP Live Chat Support plugin is an important milestone release: the basic free and PRO plugins are now merged, unifying their feature set and functionality. This simplifies... [Read More](#)

**Optimizing WP Live Chat Support for Speed**  
Sun, 11 Mar 2018

We are aware of just how important page load speed is and have decided to put together a small tutorial on how to improve the effect our plugin has on your page load speed. It's also important to... [Read More](#)

Marketing Sandbox

WordPress 5.2.3 is available! Please update now.

## Settings

### General Settings

Chat enabled:  Yes

Required Chat Box Fields:  Name and email  
 Email  
 Name  
 No fields

Default visitor name: Guest

Input Field Replacement Text: Please click 'Start Chat' to initiate a chat with an agent

Use Logged In User Details:

Play a sound when there is a new visitor:

Play a sound when a new message is received:

Enable Font Awesome set:

Enable chat dashboard and notifications on all admin pages:

Delete database entries on uninstall:  If you enable this option please make sure you take a backup.

Agents can set their online status:

Exclude chat from 'Home' page:

Exclude chat from 'Archive' pages:

The screenshot shows a WordPress dashboard with a sidebar on the left and a main content area on the right.

**Left Sidebar (Live Chat):**

- Dashboard
- Posts
- Media
- Pages
- Comments
- Appearance
- Plugins (2)
- Users
- Tools
- Settings
- Live Chat** (selected)
- Dashboard
- Settings
- Surveys
- History
- Missed Chats
- Offline Messages
- Departments
- Reports
- Triggers
- Custom Fields
- Webhooks
- Support
- GDPR Control
- Tools
- Quick Responses
- Collapse menu**

**Main Content Area:**

Marketing Sandbox - 3 New 0 Chat Agents Online

WordPress 5.2.3 is available! Please update now.

Active visitors

Name	Agent	Visitor	Info	Page	Chat Status	Department
Guest		Guest	Chrome / Apple	Page: 2 h Timezone: UTC +3	active	None
Guest		Guest	Chrome / Windows	Page: 84 m Timezone: UTC +3	active	None

Agents

● admin

**Buttons:**

- Filters ▾
- Open Chat (green button)
- Accept Chat (red button)

## Demo design

On our Demo provide three level members:

Administrator: Full function and management

Staff: Booking and Live Chat management

Customer: Registered user

Anyone non-login could review all rooms (Deluxe Room, Standard Room, Studio) information photos and use Live Chat contact staff.

When check availabilities date booking will request login or register to members.

Members input booking information when staff confirm booking will received email by booking.

PRCO204 Hotel Customize New Edit Page 1 Chat Agent Online

Howdy, admin

P HOTEL

Rooms & Availabilities Booking Form About US Login

< >

Checkin  
2020-05-14

Checout  
2020-05-16

Persons  
4

Check availabilities

All Rooms

From \$ 1,200

Deluxe Room

From \$ 600

Standard Room

From \$ 2,000

Studio

View All Rooms

17 Mar 2020

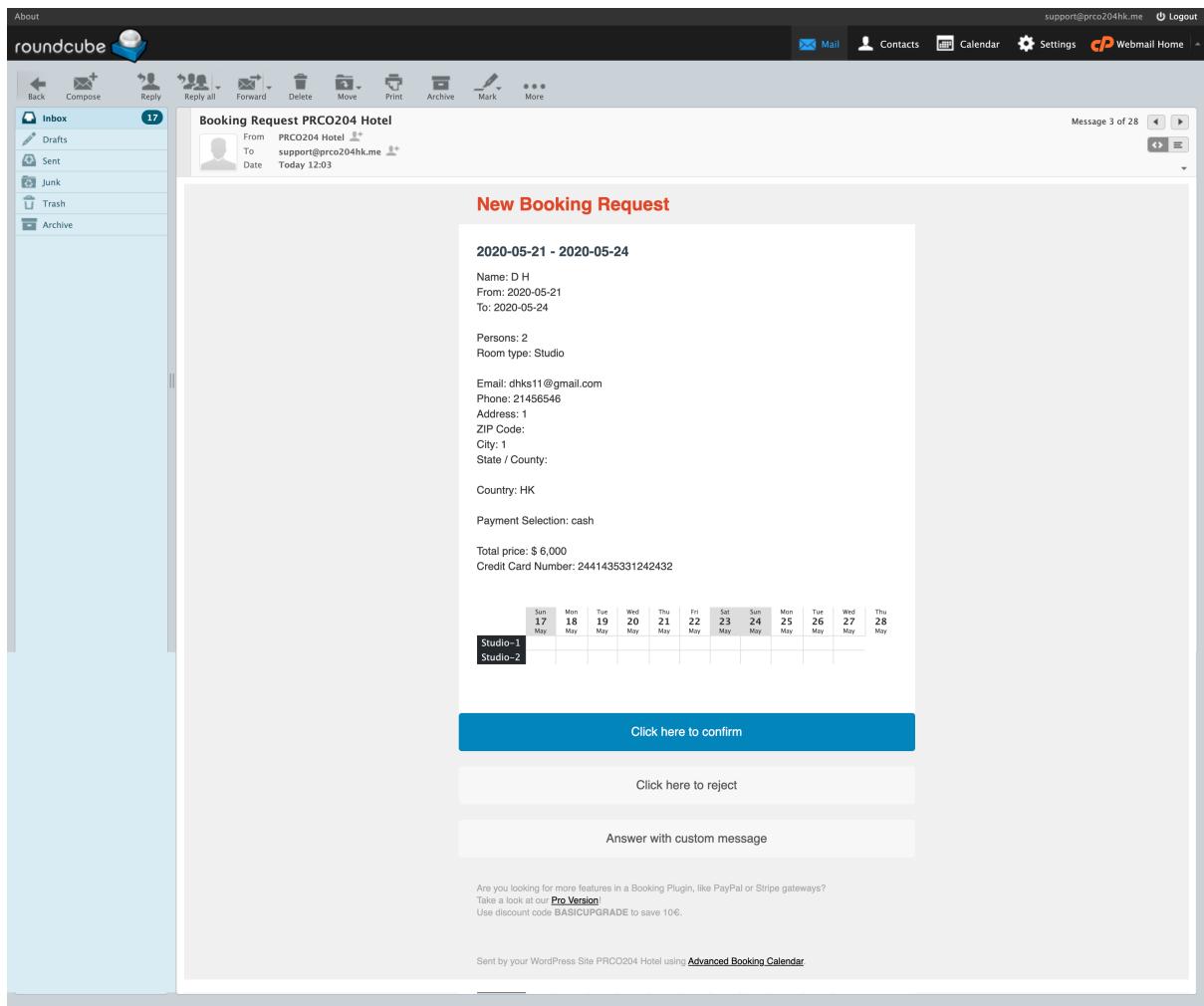
#1 It is very easy to use.  
#2 #3

Hotel News

# Welcome to WordPress.  
This is your first post. Edit or delete it, then start writing!

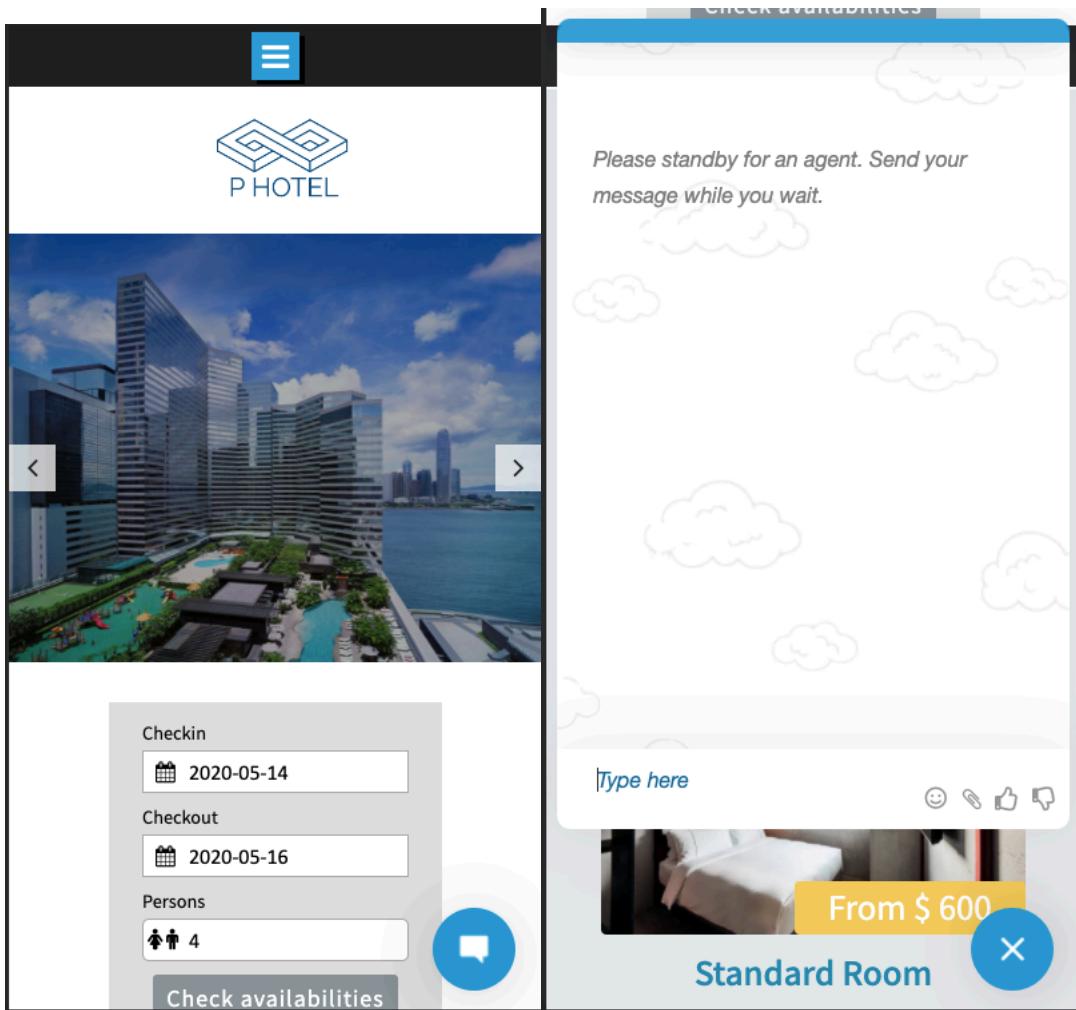
View All Rooms

## Hotel News



## Mobile version

The system by Responsive web design support Mobile version. Progressive enhancement based on browser, device, or feature detection.



Main interface and Live Chat

All Rooms



From \$ 1,200

Deluxe Room



From \$ 600

Standard Room

Availability

Click on dates to select your checkin and checkout date.

May 2020						
Mo	Tu	We	Th	Fr	Sa	Su
					1	2
4	5	6	7	8	9	10
11	12	13	14	15	16	17
		\$ 600	\$ 600	\$ 600	\$ 600	\$ 600
18	19	20	21	22	23	24
\$ 600	\$ 600	\$ 600	\$ 600	\$ 600	\$ 600	\$ 600
25	26	27	28	29	30	31
\$ 600	\$ 600	\$ 600	\$ 600	\$ 600	\$ 600	\$ 600

Available ■ Partly booked ■ Fully booked

Checkin: 2020-05-23  
Checkout: 2020-05-31  
Price for the room: \$ 4,800

Book now

Room information : Message

• 30 sq M

Rooms and booking information

The screenshot shows the WordPress dashboard. At the top, there are navigation icons: a menu icon, a home icon, a plus sign icon, and a user profile icon. Below the icons are two dropdown menus: "Screen Options" and "Help".

## Dashboard

Welcome to WordPress!

We've assembled some links to get you started:

**Get Started**

[Customize Your Site](#)

or, [change your theme completely](#).

**Next Steps**

- [Edit your front page](#)
- [Add additional pages](#)
- [View your site](#)

**More Actions**

- [Manage widgets](#)
- [Manage menus](#)
- [Turn comments on or off](#)
- [Learn more about getting started](#)

**Site Health Status**

Good

Your site is healthy! Visit the Health Checkout.

Deluxe Room

- Deluxe Room-1
- Deluxe Room-2
- Deluxe Room-3
- Deluxe Room-4
- Deluxe Room-5

Standard Room

- Standard Room-1
- Standard Room-2
- Standard Room-3

Studio

- Studio-1
- Studio-2

H,1 person, ...

H,1  
pe...

H,2  
perso...

≡ Open Bookings

↓<sup>Z</sup> Checkout ▾

test, 2020-05-21 - 2020-05-29,  
Standard Room, Standard Room-1

test test  
[takumi\\_or@hotmail.com](mailto:takumi_or@hotmail.com)  
63324496

teststststst hk, Hong Kong  
Extras: No extras  
Total price: \$ 720  
Payment: Pay Cash onsite  
Message: 90909090909000

Confirm   Reject   Edit   Custom message

Scroll up

Administrator management mobile version