

Marbella Golf Times

PREMIER TEE TIMES ON THE COSTA DEL SOL

Development Progress Report

Complete Feature Overview & System Documentation

November 2025

Version 1.0 - Internal Documentation

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About This Document

This report provides a comprehensive overview of the Marbella Golf Times platform, including all features currently implemented, how they work, and what's planned for the

future. It's designed to help you understand exactly what the platform can do and how to use it effectively.

1. Executive Summary

Marbella Golf Times is a premium golf tee-time booking platform specifically designed for the Costa del Sol region in Spain. The platform aggregates tee times from over 40 golf courses, providing golfers with a single place to find, compare, and book their perfect round.

□ What We've Built

□ Course Discovery

Browse 47 golf courses with detailed information, photos, pricing, and real-time tee time availability. Filter by location, price, date, and number of players.

□ Email Communications

Complete inbox system for managing course communications. Send outreach emails, receive replies, and keep track of all conversations in one place.

□ Admin Dashboard

Comprehensive management interface for bookings, courses, commissions, user accounts, and email communications with real-time analytics.

□ Commission Tracking

Track affiliate earnings from each course with customizable kickback percentages. Monitor revenue and ROI from your partnerships.

□ Key Achievements

- ✓ 47 Costa del Sol golf courses catalogued with images and details
- ✓ Bidirectional email system (send and receive) with thread management

- ✓ Automated alert system for unanswered emails (customizable per admin)
- ✓ Multi-language support in 5 languages (English, Spanish, Danish, Swedish, Russian)
- ✓ Complete booking workflow with confirmation emails
- ✓ Provider integration framework ready for Golfmanager and TeeOne APIs
- ✓ Mobile-responsive design for all screens

2. Platform Overview & Statistics

47

Golf Courses

5

Languages

26

Provider Links

24/7

Availability



Geographic Coverage

The platform covers the entire Costa del Sol region, from Sotogrande in the west to Málaga in the east. Courses are organized by location with distance-based sorting available when users share their location.

Region	Courses	Notable Venues
Marbella Area	15	Marbella Club, La Quinta, Los Naranjos
Estepona / Sotogrande	12	Valderrama, Real Club Sotogrande, Finca Cortesín
Mijas / Fuengirola	10	La Cala Resort, Mijas Golf, Santana
Málaga / East	10	Parador Málaga, Guadalhorce, Añoreta



Platform Features

For Golfers

- ✓ Search tee times by date, time, players
- ✓ View course photos and descriptions

For Administrators

- ✓ Manage all bookings centrally
- ✓ Handle email communications
- ✓ Edit course information

- ✓ See real-time weather forecasts
 - ✓ Compare prices across courses
 - ✓ Book directly or request booking
 - ✓ Manage bookings in profile
-
- ✓ Track commissions and revenue
 - ✓ View analytics and reports
 - ✓ Manage user accounts

3. Customer-Facing Features



Course Search & Discovery

The main homepage provides powerful search and filtering capabilities. Customers can find their perfect tee time using multiple criteria:

Date Selection

Pick any date to see available tee times. The calendar shows availability at a glance with color-coded indicators.

Player Count

Filter for 1-4 players. Results automatically show only tee times with enough availability.

Time Preferences

Choose morning (before 12pm), afternoon (12-4pm), or evening (after 4pm) tee times.

Hole Options

Select 9 or 18 holes to filter courses and pricing accordingly.

Your Personal Guide to Costa del Sol Golf

Welcome to Marbella Golf Times. We curate the finest tee times across Costa del Sol's premier courses, from Sotogrande to Málaga, with real-time availability and personal service.

Start Your Search

Use GPS

Select City

Allow location access to find golf courses nearest to you.

Use My Current Location

Your Personal Golf Concierge

We curate the finest tee times with the personal touch of a dedicated advisor

Real-Time Availability

See actual available tee times, not just

Personal Service

Boutique-quality service with local

Premium Courses

Access to Costa del Sol's finest golf

Course Listing View: The main page shows all available courses with pricing, ratings, and quick tee time previews. Users can toggle between list and map views.



Map View

The interactive map view lets customers explore courses geographically. Each pin shows the course name and current best price. Clicking a pin reveals more details and available tee times.

Location-Based Sorting

When customers share their location, courses are automatically sorted by distance. The system shows travel time estimates and can filter to show only courses within a certain radius (e.g., within 30 minutes drive).

3. Customer-Facing Features (continued)



Course Detail Pages

Each course has a dedicated page with comprehensive information:

Photo Gallery

High-quality images showcasing the course, clubhouse, and facilities.

Location & Directions

Interactive map with directions from your current location or any address.

Weather Forecast

5-day weather forecast specific to the course location using Open-Meteo data.

Reviews & Ratings

Customer reviews with star ratings. "Top Rated" badges for highly-rated courses.



Booking Flow

The booking process is designed to be simple and quick:

Select Tee Time



Enter Details



Confirm Booking



Receive Email

For logged-in users, personal details are pre-filled from their profile, making repeat bookings even faster.



User Accounts

Registered users get access to additional features:

- ✓ **Booking History:** View all past and upcoming bookings in one place
- ✓ **Quick Rebooking:** "Book Again" button on past bookings for easy repeat visits
- ✓ **Cancellation:** Cancel bookings up to 24 hours before tee time
- ✓ **Profile Management:** Update contact details and preferences
- ✓ **Favorites:** Save favorite courses for quick access (planned)

The screenshot shows the login interface for Marbella Golf Times. At the top, there is a logo with a green golf hole icon and the text "Marbella Golf Times" followed by "Costa del Sol Tee Times". Below the logo is a "Log In" button. Underneath the button, it says "Don't have an account? [Sign Up](#)". There are two input fields: "Email" containing "you@example.com" and "Password" containing "*****". At the bottom of the form is a green "Log In" button.

Login Page: Clean, simple authentication with email/password. Supports multiple languages.

4. Admin Dashboard Overview

The admin dashboard is the command center for managing all aspects of Marbella Golf Times. It provides real-time visibility into bookings, communications, courses, and revenue.

Dashboard Tabs

Tab	Purpose	Key Features
Analytics	Revenue and performance metrics	Charts, trends, popular courses, ROI tracking
Bookings	Manage all booking requests	Status updates, confirmation, cancellation
Courses	Edit course information	Images, descriptions, commission rates
Inbox	Email communications	Thread view, reply, status tracking
Emails	Outbound campaign management	Templates, bulk send, tracking
Users	User account management	View, edit, delete accounts

Header Notifications

The admin header includes real-time notification badges:

Unanswered Emails

Red badge showing count of email threads waiting for your reply.

Personalized Greetings

Welcome message in your preferred language (e.g., "Hej Frida!" in

Access Control

The admin dashboard is protected by role-based access. Only users marked as administrators can access admin features. Regular users are redirected to the homepage if they try to access /admin.

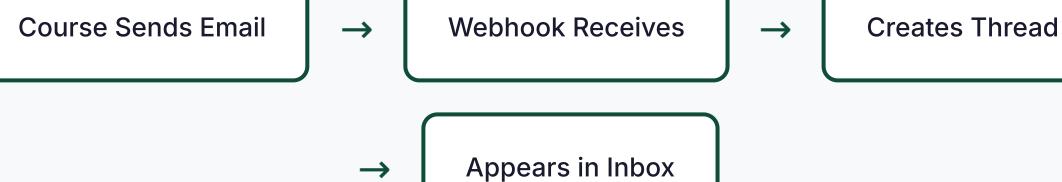
Security Note

Admin credentials should never be shared. Each team member should have their own admin account for proper audit trails and personalized notifications.

5. Email Inbox System

The Email Inbox is your central hub for all course communications. It works like a familiar email client, but specifically designed for managing golf course partnerships and inquiries.

□ How It Works



□ Thread List View

The left panel shows all email conversations as a list:

- ✓ **Visual Indicators:** Unread threads appear bolder with a colored dot
- ✓ **Red Badge:** Shows count of unanswered messages in each thread
- ✓ **Preview:** See the first line of the latest message
- ✓ **Timestamp:** Shows when the last message was received
- ✓ **Course Link:** If linked to a course, shows the course name

□ Filter Options

All

View all email threads regardless of status

Unanswered

Threads with messages you haven't replied to yet

Open

Active conversations that need attention

Replied

Threads where you've sent a response

Closed

Resolved conversations

Archived

Old threads kept for reference



Conversation View

When you click on a thread, the right panel shows the full conversation:

- Message History:** All messages in chronological order
- Direction Indicators:** Clear visual distinction between incoming and outgoing messages
- Timestamps:** Exact date and time for each message
- Reply Box:** Compose and send responses directly

5. Email Inbox System (continued)

✉️ Replying to Emails

Sending a reply is straightforward:

1. Click on the thread you want to reply to
2. Type your message in the reply box at the bottom
3. Click "Send Reply" to send your response
4. The message is sent via email and added to the thread

Email Threading

When you reply, the system maintains proper email threading so the recipient sees the conversation context. Your reply appears in their inbox as a response to their original message.

🔗 Linking Threads to Courses

You can associate email threads with specific golf courses:

- ✓ Click the course dropdown in the thread header
- ✓ Select the relevant course from the list
- ✓ The link is saved automatically
- ✓ Helps track which course each conversation is about

⚙️ Thread Status Management

Action	What It Does	When to Use
Archive	Moves thread to archived filter	When conversation is complete but want to keep for reference
Close	Marks thread as resolved	When issue is fully resolved
Reopen	Sets thread back to open status	When you need to follow up on a closed thread



Alert Settings

Click the bell icon in the Inbox header to configure your notification preferences:

Enable/Disable Alerts

Toggle email notifications on or off entirely for your account

Response Time Threshold

Set how long before you're notified (e.g., after 30 minutes, 1 hour, 4 hours)

How Alerts Work

If an email thread goes unanswered longer than your threshold, you'll receive an email reminder. Each thread can only trigger one alert per 4-hour period to prevent spam. Alerts are personalized per admin.

6. Booking Management



Bookings Tab Overview

The Bookings tab shows all booking requests submitted through the platform. Each booking contains:

Customer Details

Name, email, phone number for contacting the golfer

Course & Time

Which course, date, time, and number of players

Pricing

Estimated price and commission amount

Status

Pending, Confirmed, Cancelled, or Completed



Booking Workflow

Customer Submits



Status: Pending



Admin Confirms



Email Sent



Status Updates

Status	Meaning	Customer Notified?
Pending	Booking received, awaiting confirmation	Yes - confirmation email pending
Confirmed	Booking approved and finalized	Yes - confirmation sent with details
Cancelled	Booking was cancelled	Yes - cancellation notice sent
Completed	Golfer played their round	Optional - feedback request

Revenue Tracking

Each booking displays the estimated revenue and commission. The Analytics tab aggregates this data to show:

- ✓ Total bookings by day, week, and month
- ✓ Revenue trends over time
- ✓ Most popular courses by booking count
- ✓ Commission earned per course

7. Course Management



Courses Tab Overview

The Courses tab displays all 47 golf courses in a table format. Each row shows:

Thumbnail

Small preview of the course image

Name & Location

Course name and city/area

Commission %

Your kickback percentage from this course

Edit Button

Opens the unified edit dialog



Edit Course Dialog

Clicking "Edit Course" opens a dialog where you can manage:

Image Management

- Upload Image:** Upload a new image file from your computer
- Image URL:** Enter a URL to an image hosted elsewhere
- Delete Image:** Remove the current image (shows placeholder)

Commission Settings

- Kickback Percentage:** Set the commission rate (0-100%)
- Changes are saved immediately when you click Save

- ✓ The new percentage appears instantly in the table

Commission Calculation

When a booking is made, the system calculates your commission as: Booking Price × Kickback Percentage. For example, a €100 booking with a 10% kickback earns you €10.



Provider Connections

Each course can be linked to a tee time provider for real-time availability:

Provider	Courses Using	Status
Golfmanager V1	12 courses	Ready
Golfmanager V3	2 courses	Ready
TeeOne Golf	12 courses	Pending
Direct Link	4 courses	Live

8. Provider Integrations

Marbella Golf Times connects to multiple tee time providers to show real-time availability. Each provider has different capabilities and API requirements.



Golfmanager Integration

Golfmanager is a popular golf course management system used by many Costa del Sol courses. We support both API versions:

Version 1 Courses (12)

- Finca Cortesín
- La Cala Resort
- La Reserva Club Sotogrande
- Valle Romano
- San Roque Club
- El Higueral Golf
- Lauro Golf
- Guadalhorce Club de Golf
- Marbella Club Golf Resort
- Alhaurin Golf Country Club
- Benalmádena Golf
- Cabopino Golf Marbella

Version 3 Courses (2)

- Real Club de Golf Sotogrande
- Greenlife Golf Marbella

V3 Differences

Version 3 uses a different authentication method and endpoint structure. Both versions are fully supported.



Per-Course Credentials

Each course can have its own API credentials stored securely:

Admin adds credentials

→ Stored encrypted

→

API calls use correct login



TeeOne Golf System

TeeOne is a separate booking platform (based in Madrid) used by 12 Costa del Sol courses:

- Marbella Golf & CC
- Santa Clara Golf
- Los Naranjos
- La Quinta Golf
- Los Arqueros
- Atalaya Golf
- Mijas Golf
- Torrequebrada
- Villa Padierna / Flamingos
- Estepona Golf
- El Paraíso
- Valderrama

Integration Status

TeeOne integration requires separate API access. Currently showing as "pending" while we work on establishing the connection.

9. Commission Tracking

□ How Commissions Work

Each golf course can have a different commission (kickback) percentage. When a booking is confirmed, you earn that percentage of the booking value.

Booking: €120

x

Kickback: 15%

=

Commission: €18

□ Analytics Dashboard

The Analytics tab in admin provides comprehensive revenue tracking:

□ Daily Revenue

Chart showing bookings and commission earned each day

□ Weekly Summary

Week-over-week comparison of performance

□ Top Courses

Ranking of courses by booking volume and revenue

□ Total Earnings

Cumulative commission earned across all courses

□ Setting Commission Rates

To update a course's commission percentage:

1. Go to Admin → Courses tab
2. Find the course in the table
3. Click "Edit Course" button

4. Enter the new kickback percentage
5. Click Save - changes apply immediately

Optimistic Updates

When you save a new commission rate, the table updates instantly without waiting for the server. This makes the interface feel snappy and responsive.



Commission by Course

Typical commission rates on the Costa del Sol range from 5% to 20%, depending on:

- ✓ Course prestige and popularity
- ✓ Your relationship with the course management
- ✓ Volume of bookings you generate
- ✓ Seasonal agreements and promotions

10. Team Features & Notifications

□ Multi-Admin Support

Multiple team members can use the admin dashboard simultaneously. Each admin has:

□ Own Login

Separate credentials for security and audit trails

□ Language Preference

Interface in their preferred language

□ Personal Alerts

Independent notification settings

□ Personal Greeting

Welcome message in their language

□ Personalized Experience

The system recognizes each admin and customizes their experience:

Admin	Language	Greeting Example
Frida	Swedish	"Hej Frida! Välkommen tillbaka!"
Morten	Danish	"Hej Morten! Velkommen tilbage!"
Other	English	"Hello [Name]! Welcome back!"

□ Alert System Architecture

The notification system is designed to be helpful without being annoying:

Configurable Threshold

Each admin sets how long before they get notified about unanswered emails

Cooldown Period

4-hour cooldown per thread prevents repeated alerts for the same issue

Email Delivery

Alerts sent to your registered email address

Per-Thread Tracking

Each thread tracked independently so you get alerts for new issues

How Cooldowns Work

If you receive an alert about Thread A, you won't get another alert about Thread A for 4 hours. But if Thread B needs attention, you'll get that alert immediately. This ensures you're notified about all issues without inbox flooding.

11. Multi-Language Support



Supported Languages

The entire platform is available in 5 languages:



English



Spanish



Danish



Swedish



Russian



Language Switcher

Users can change their language preference at any time using the language switcher in the header. The selected language is remembered for future visits.



What's Translated

- ✓ **Navigation & Menus:** All buttons, links, and menu items
- ✓ **Forms:** Labels, placeholders, and validation messages
- ✓ **Content:** Page headings and descriptive text
- ✓ **Notifications:** Success and error messages
- ✓ **Emails:** Booking confirmations and alerts

Course Descriptions

Course names and descriptions remain in their original language (usually English or Spanish) as these are proper names and marketing content from the courses themselves.



Adding New Languages

The translation system is designed to be extensible. To add a new language:

1. Create a new translation file with all required keys
2. Add the language to the language switcher options
3. Test all pages to ensure complete coverage

Common languages that could be added in the future: German, French, Dutch, Norwegian, Finnish.

12. Technical Architecture

This section provides a high-level overview of how the platform is built, for those interested in the technical details.

□ Technology Stack

Layer	Technology	Purpose
Frontend	React 18 + TypeScript	User interface and interactions
Styling	Tailwind CSS + Radix UI	Consistent, responsive design
Backend	Node.js + Express	API endpoints and business logic
Database	PostgreSQL (Neon)	Data storage and queries
ORM	Drizzle ORM	Type-safe database access
Email	Nodemailer + SMTP	Sending transactional emails

□ Project Structure

Frontend (client/)

- `src/pages/` - Page components
- `src/components/` - Reusable UI parts
- `src/hooks/` - Custom React hooks
- `src/lib/` - Utilities and helpers
- `src/i18n/` - Translation files

Backend (server/)

- `routes.ts` - API endpoints
- `storage.ts` - Database operations
- `email.ts` - Email sending
- `inbox-alerts.ts` - Alert system
- `golfmanager.ts` - Provider API

□ Database Schema

Key tables in the database:

- **users** - User accounts
- **sessions** - Login sessions
- **golf_courses** - Course data
- **booking_requests** - Bookings
- **inbound_email_threads** - Email threads
- **inbound_email_messages** - Individual emails
- **affiliate_emails** - Outbound campaigns
- **course_provider_links** - API connections

Data Safety

The database is backed by Neon (serverless PostgreSQL) with automatic backups. The system uses proper foreign key relationships and cascading deletes to maintain data integrity.

13. Next Steps & Roadmap



Completed Features

- ✓ 47 golf courses with images and details
 - ✓ Search and filter functionality
 - ✓ Map view with course locations
 - ✓ Booking request workflow
 - ✓ Email inbox with thread management
 - ✓ Automated unanswered email alerts
 - ✓ Multi-language support (5 languages)
 - ✓ Commission tracking per course
 - ✓ User account management
 - ✓ Analytics dashboard
-



In Progress

- TeeOne API integration (12 courses)
 - Golfmanager production credentials
 - Add 5 missing courses to database
 - Payment processing integration
-



Planned Features

Short Term (Next 2 Weeks)

1. Complete TeeOne integration for real-time availability
2. Activate Golfmanager production mode with course credentials
3. Add remaining Costa del Sol courses
4. Implement customer review system

Medium Term (1-2 Months)

1. Stripe payment integration for direct bookings
2. Mobile app (React Native)
3. Advanced analytics with export capabilities
4. Automated marketing campaigns

Long Term (3+ Months)

1. Expand to other Spanish regions
2. Add Portugal courses
3. AI-powered course recommendations
4. Loyalty program and rewards

Marbella Golf Times

Premier Tee Times on the Costa del Sol

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