4.4 DESCRIPTION OF THE SYSTEM

Web Application

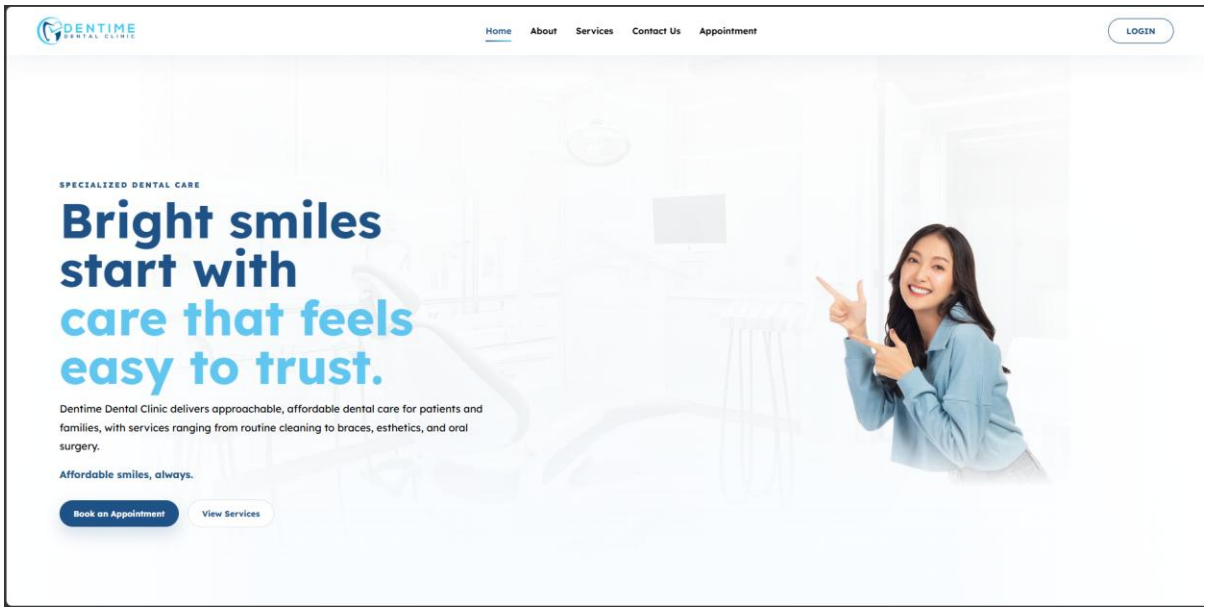


Figure 1. Home Page (Web)

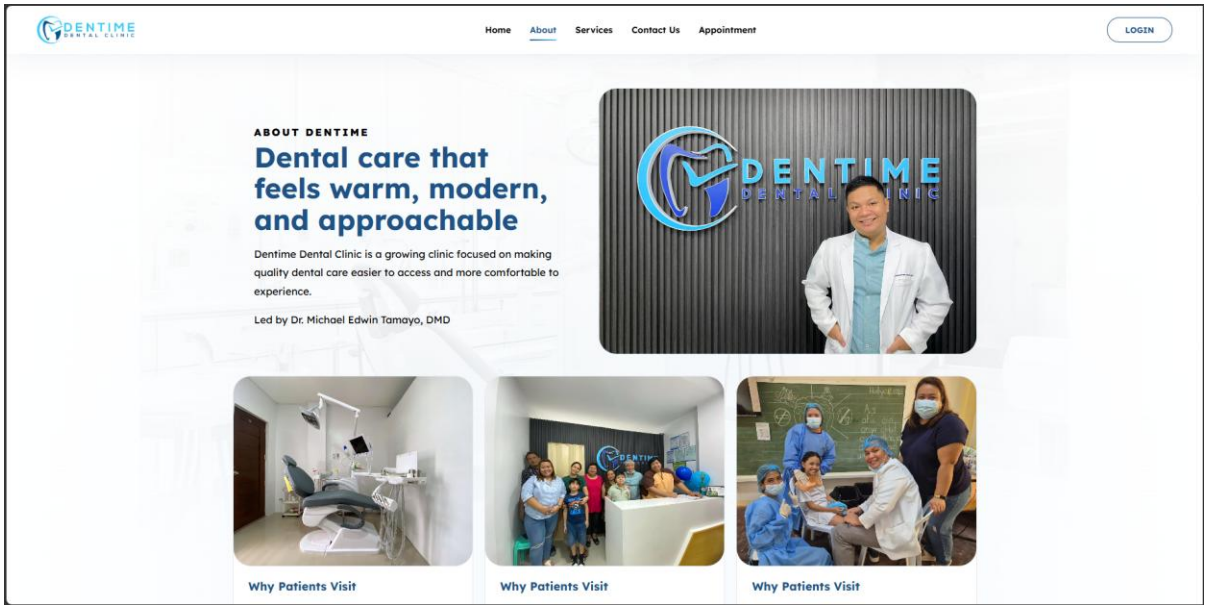


Figure 2. About Page (Web)

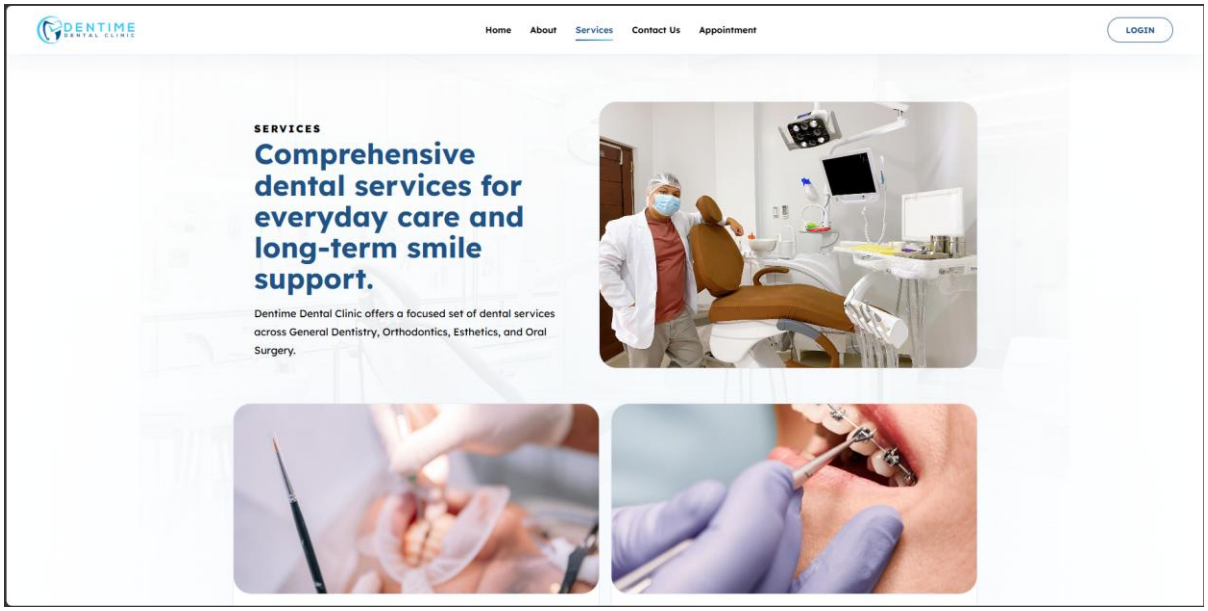


Figure 3. Services Page (Web)

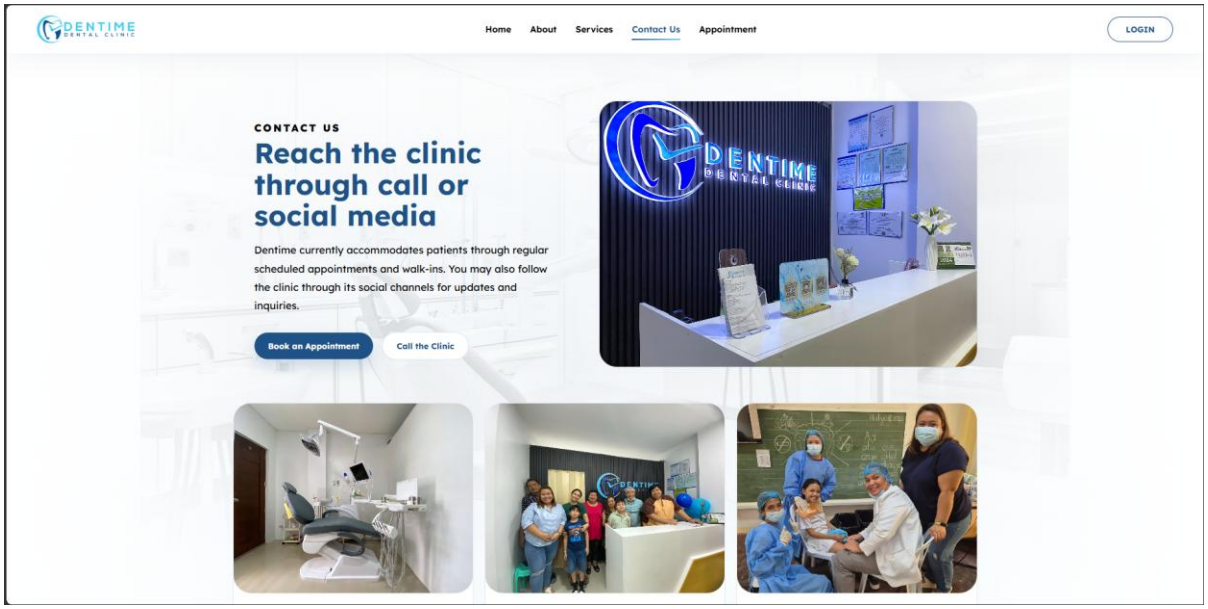


Figure 4. Contact Page (Web)

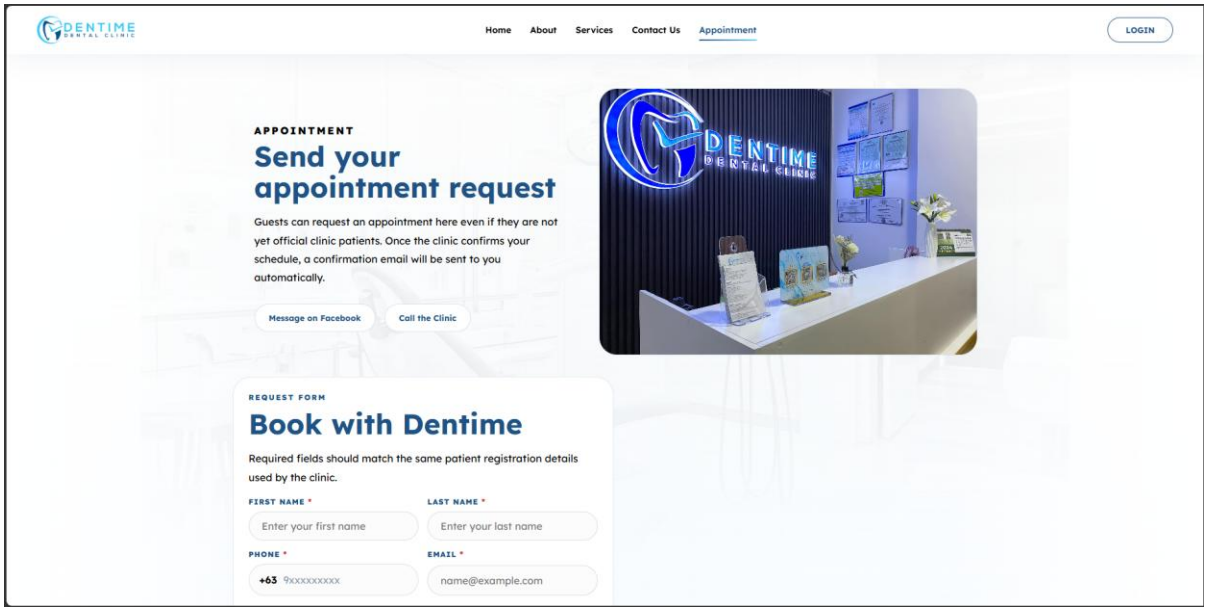


Figure 5. Appointment Page 1 (Web)

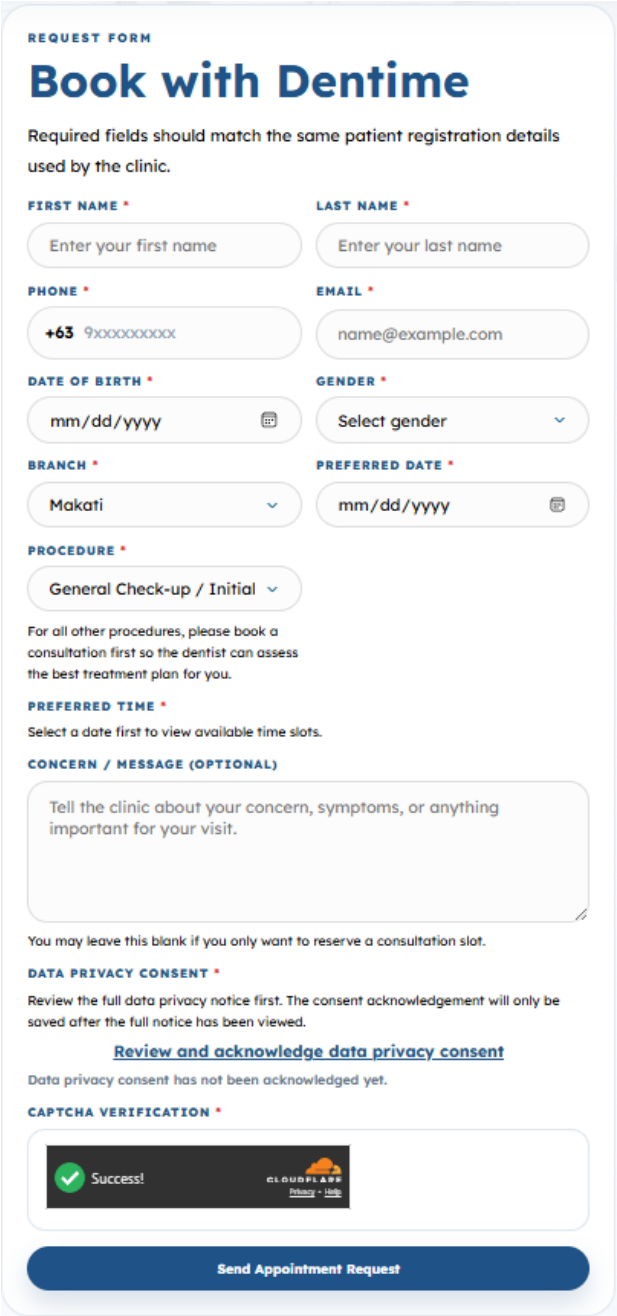


Figure 6. Appointment Page 2 (Web)

Figures 1 through 6 show the public-facing pages of the Dentime Dental Clinic website. Visitors can learn about the clinic, browse available services, review contact information, and open the appointment page. The appointment request form collects the guest's identifying and contact details, selected branch, preferred schedule, procedure, concern or message, data privacy consent, and CAPTCHA verification before the request is submitted.

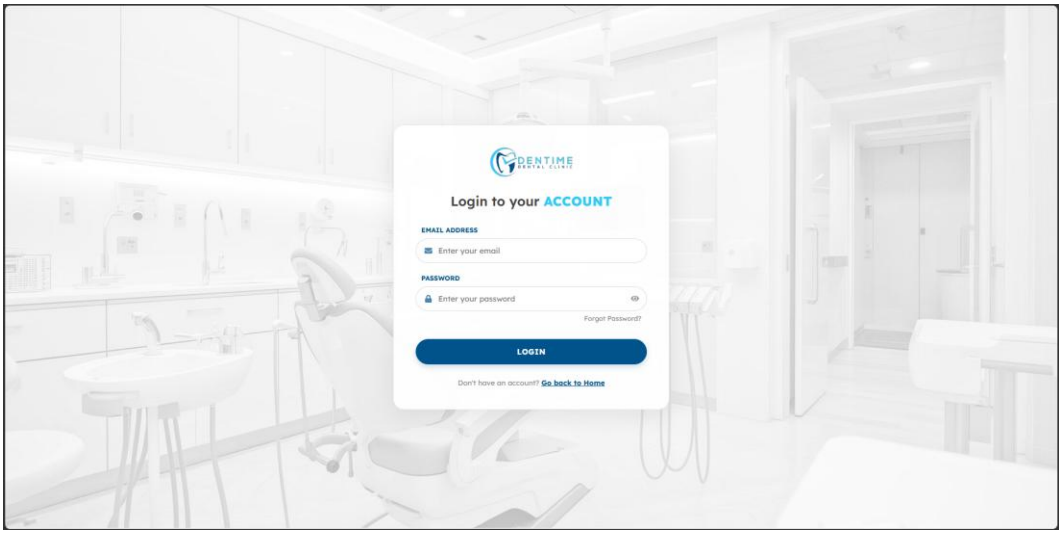


Figure 7. Login (Web)

Figure 7 shows the web login page, where an authorized user enters an email address and password to access the system. It also provides a Forgot Password link for account recovery.

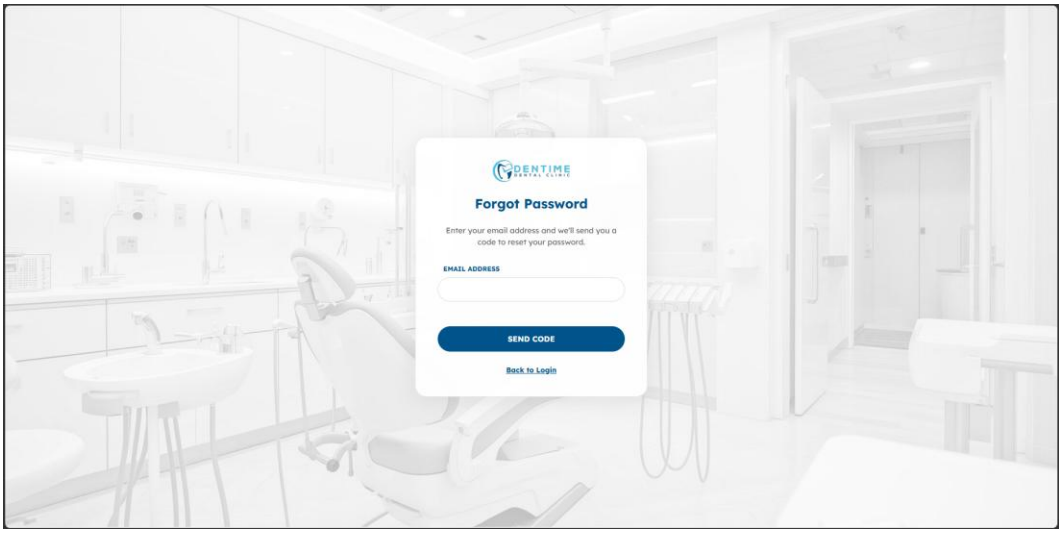


Figure 8. Forgot Password (Web)

Figure 8 shows the web Forgot Password page, where the user enters a registered email address to request a password-reset code.

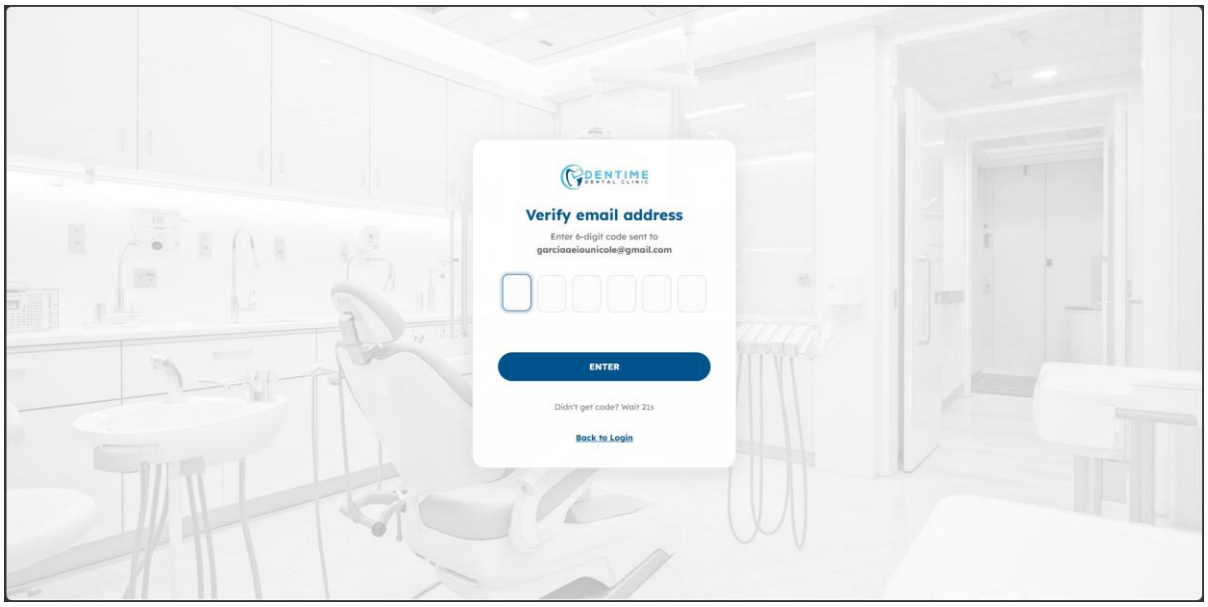


Figure 9. Email Verification - Forgot Password (Web)

Figure 9 shows the email verification step of account recovery. The user enters the verification code sent to the registered email address before proceeding.

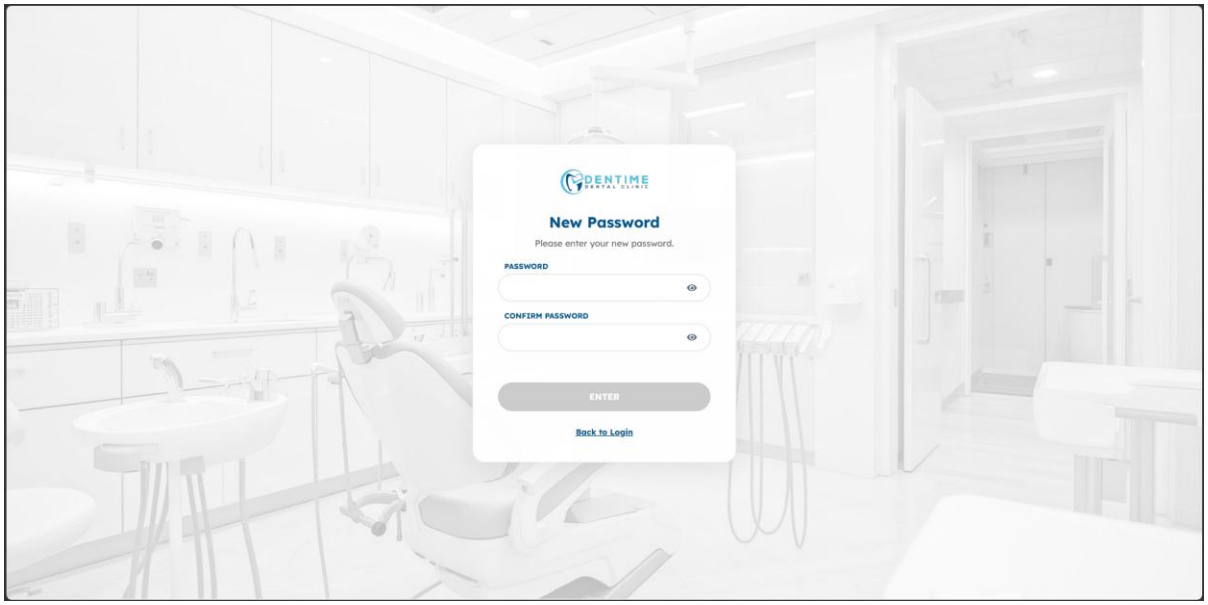


Figure 10. Set New Password - Forgot Password (Web)

Figure 10 shows the final password-reset step, where the user creates and confirms a new password before returning to the login page.

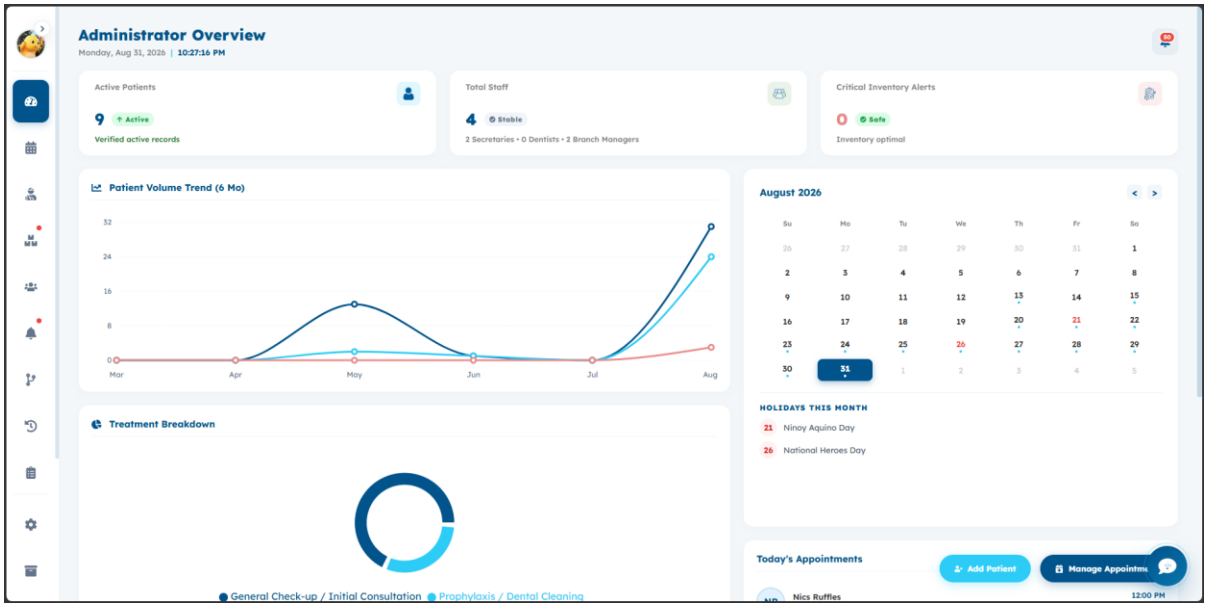


Figure 11. Administrator Dashboard 1 (Web)

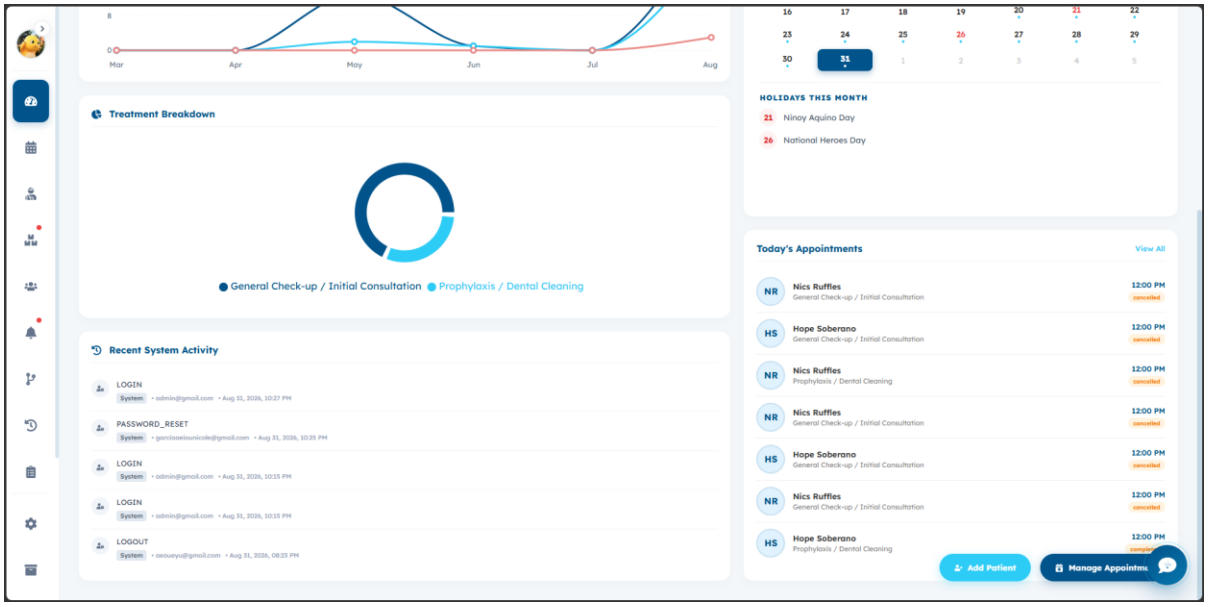


Figure 12. Administrator Dashboard 2 (Web)

Figure 13. Administrator Dashboard 3 (Web)

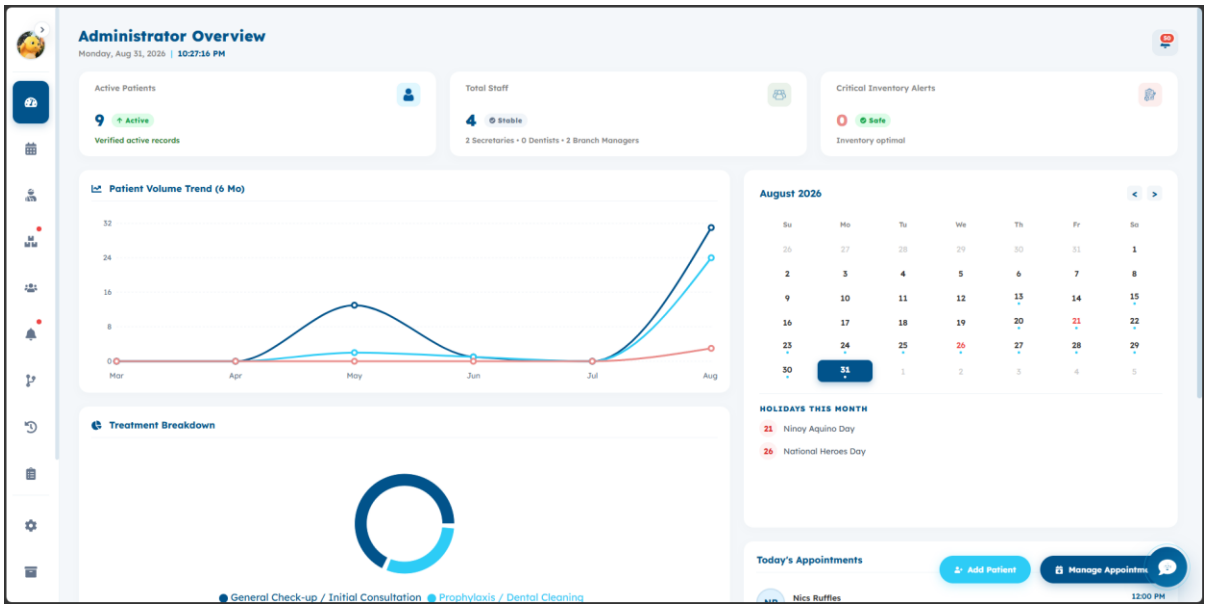


Figure 14. Administrator Dashboard 4 (Web)

Figures 11, 12, 13, and 14 show the administrator dashboard and its primary views. The dashboard summarizes patient, staff, and dental-record indicators; displays visit trends, treatment distribution, clinic events, recent activity, and appointments; and provides access to the sidebar and NgitifyBot assistant.

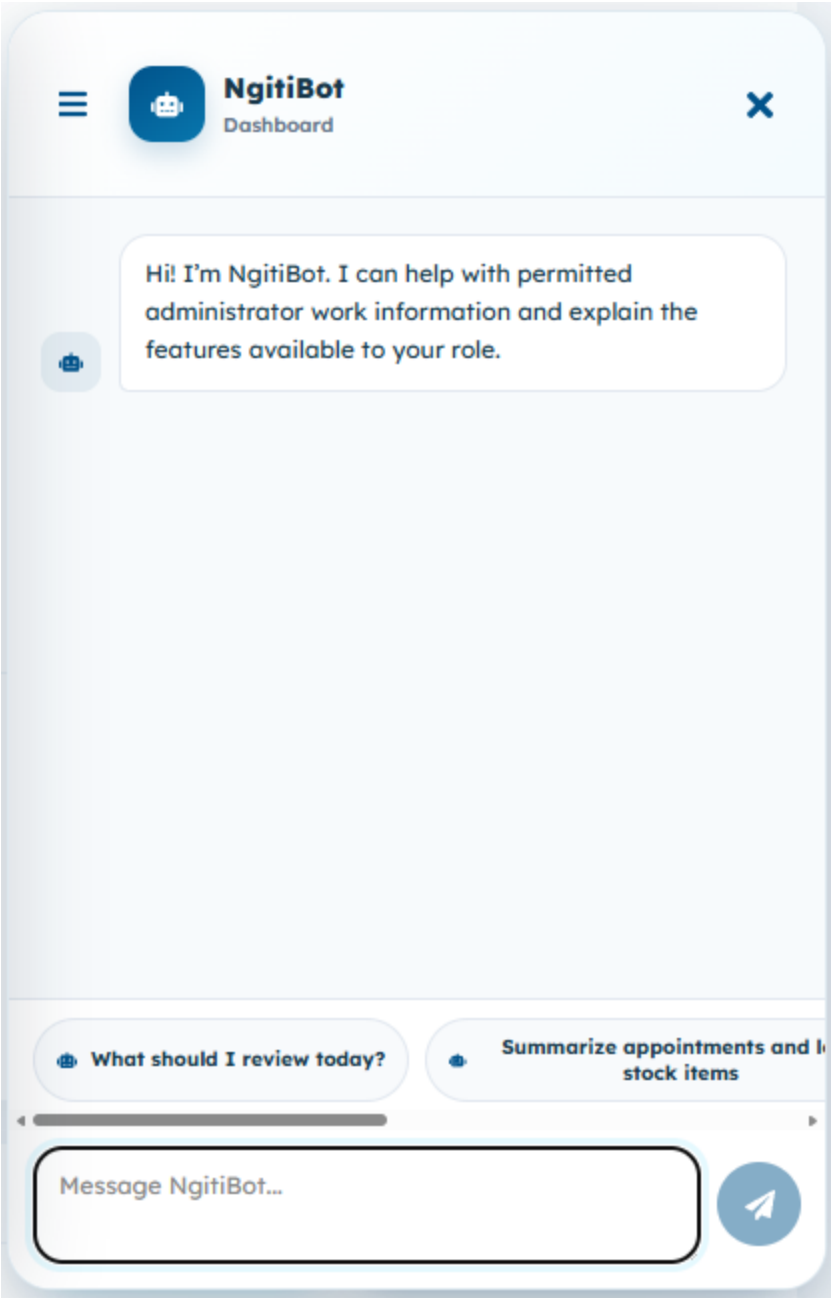


Figure 15. NgitifyBot (Web)

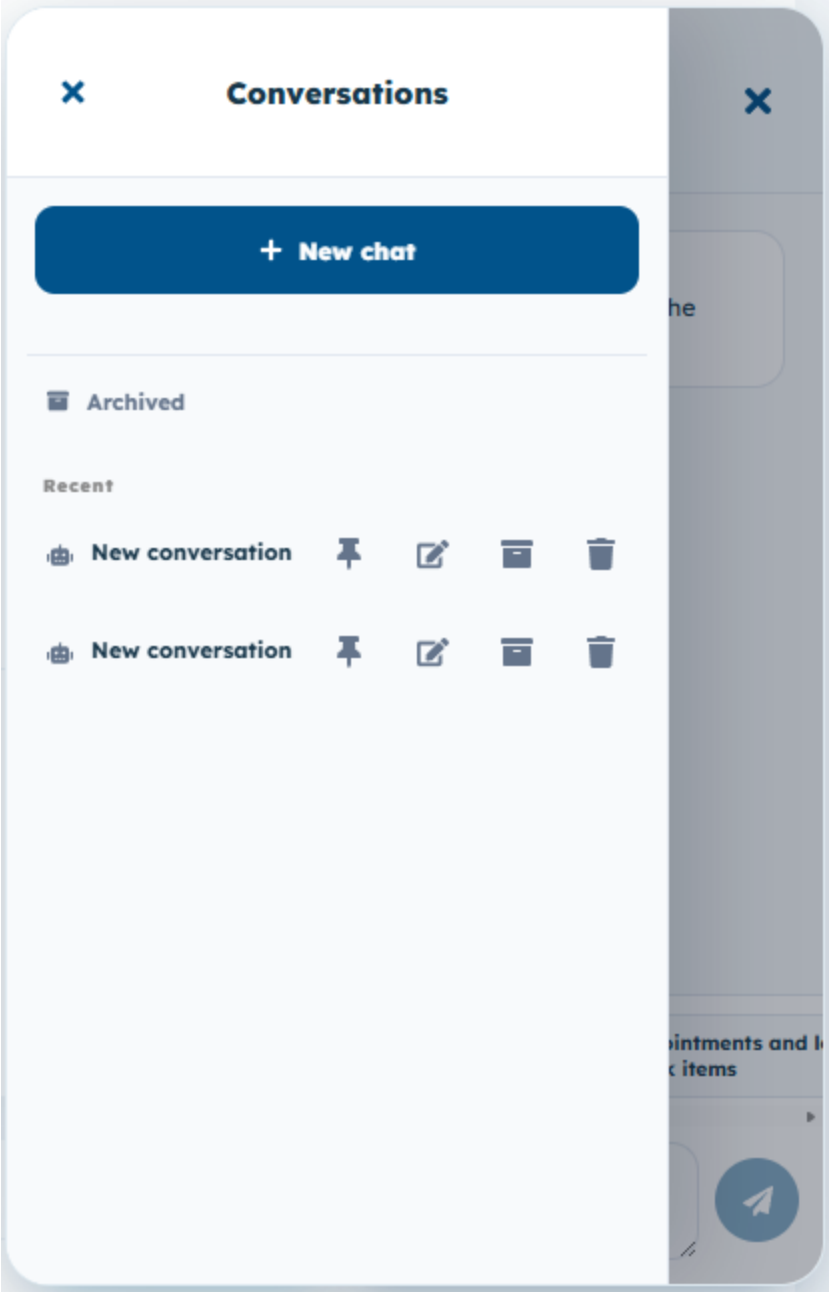


Figure 16. Conversation History (Web)

Figures 15 and 16 show NgitifyBot and its conversation-history panel. Users can ask role-permitted questions, start a new conversation, reopen recent conversations, and manage saved chats.

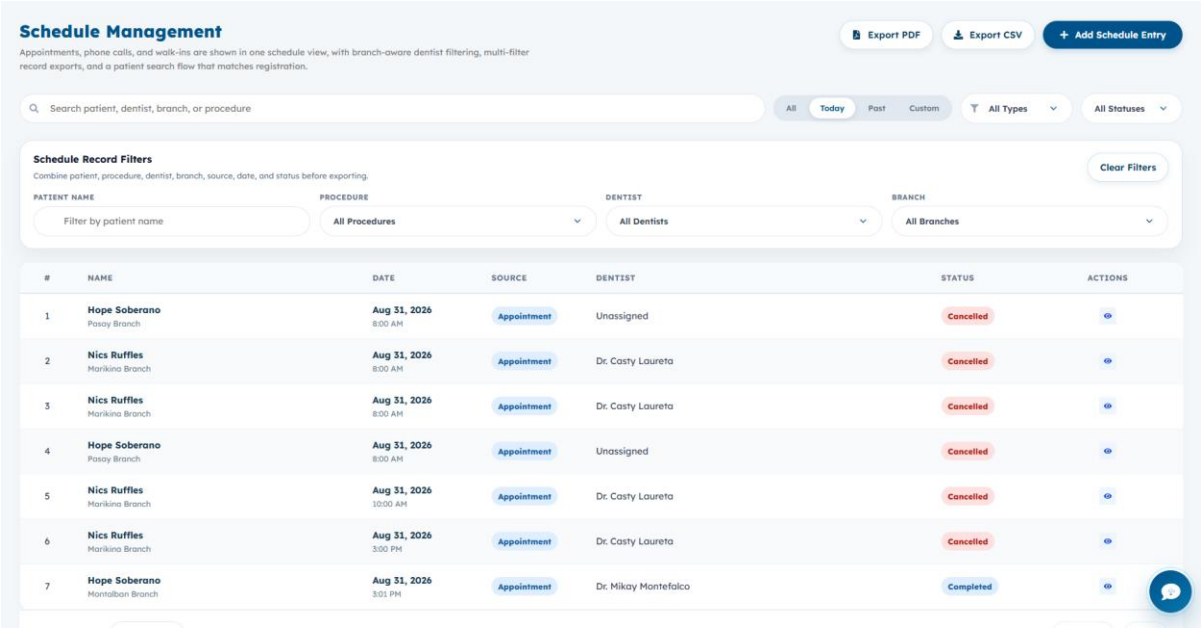


Figure 17. Schedule Management (Web)

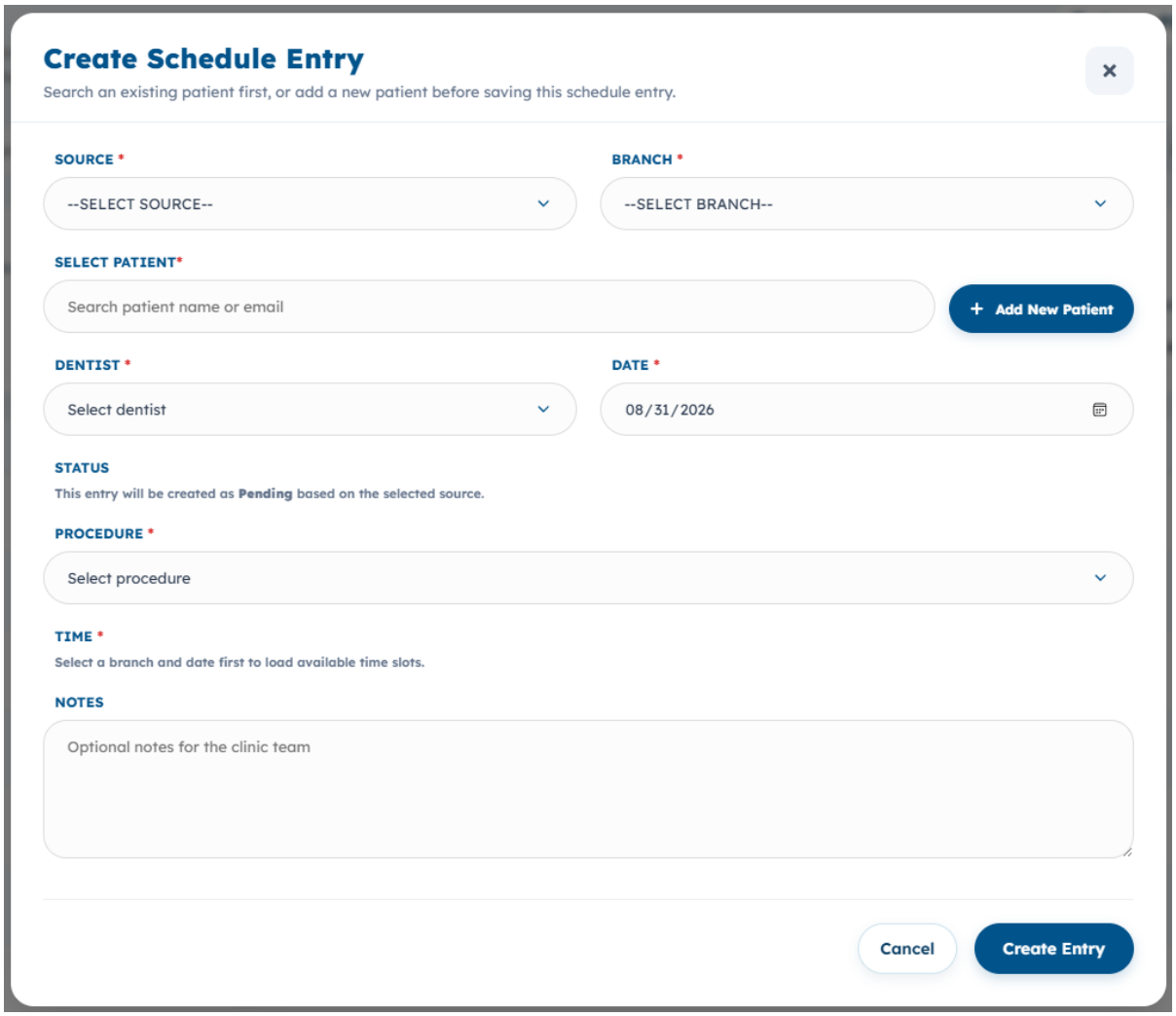


Figure 18. Create Schedule Entry (Web)

Figures 17 and 18 show schedule management and the Create Schedule Entry form. Authorized users can review clinic schedules and create entries by selecting a source, branch, patient, dentist, date, procedure, time, status, and optional notes.

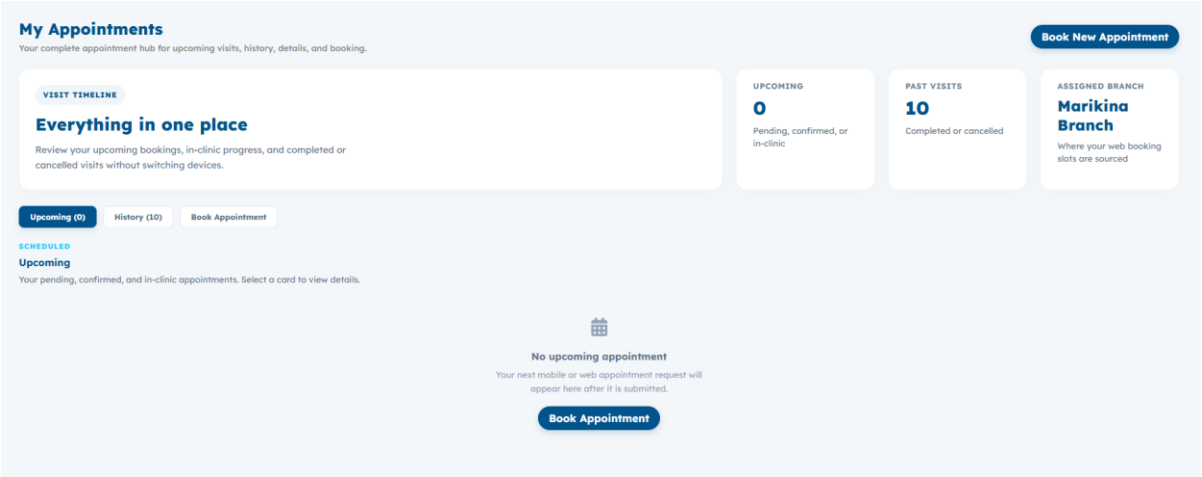


Figure 19. My Appointments (Web)

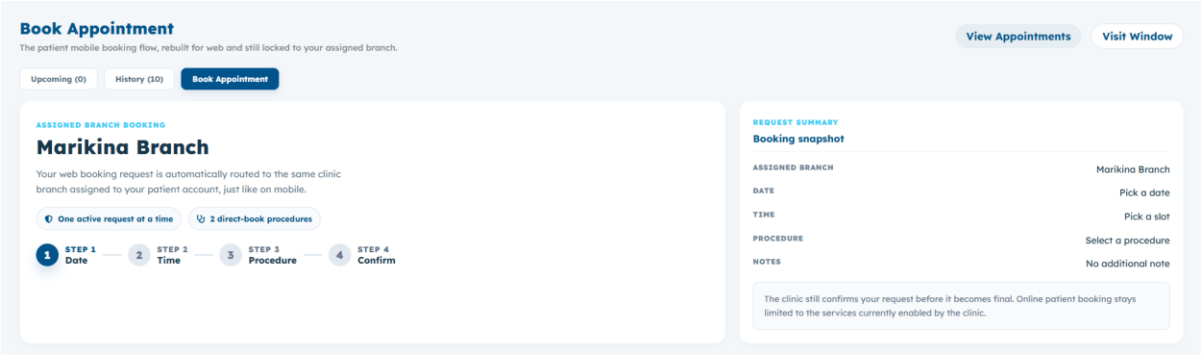


Figure 20. Book Appointment - Branch Selection (Web)

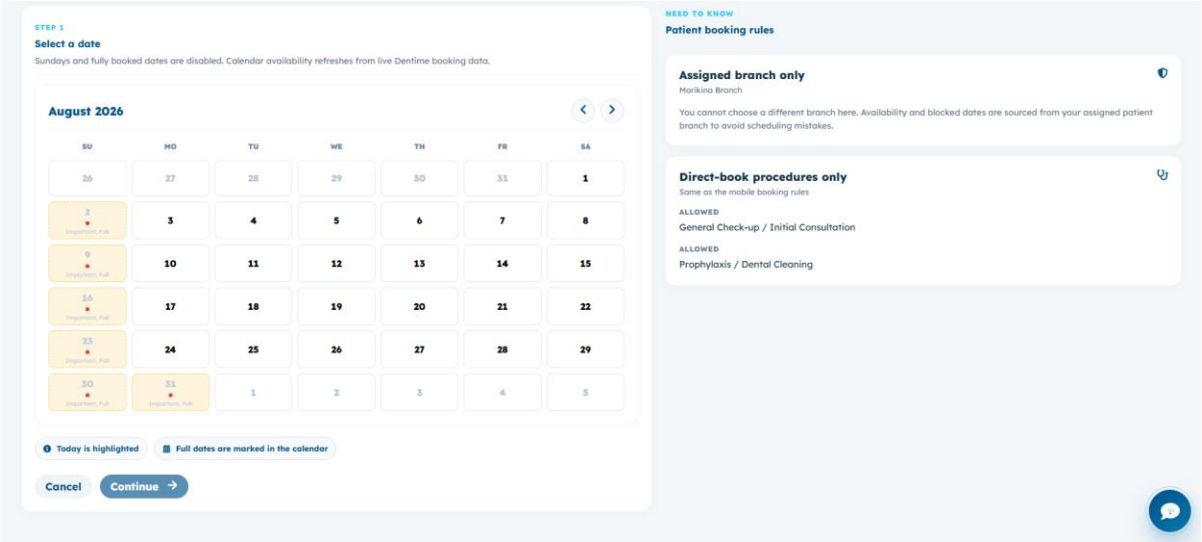


Figure 21. Book Appointment - Date and Procedure Selection (Web)

Figures 19, 20, and 21 show the web appointment area and booking workflow. A patient can review appointment counts and statuses, select a branch, view its booking rules, and choose an available date and procedure before continuing.

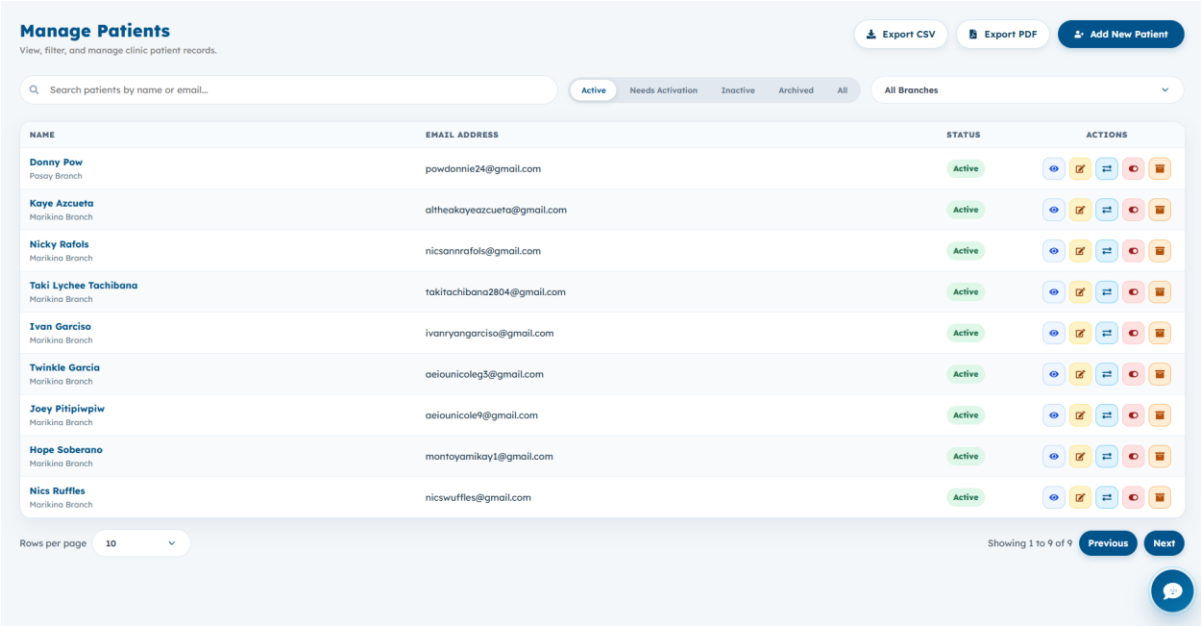


Figure 22. Manage Patients (Web)

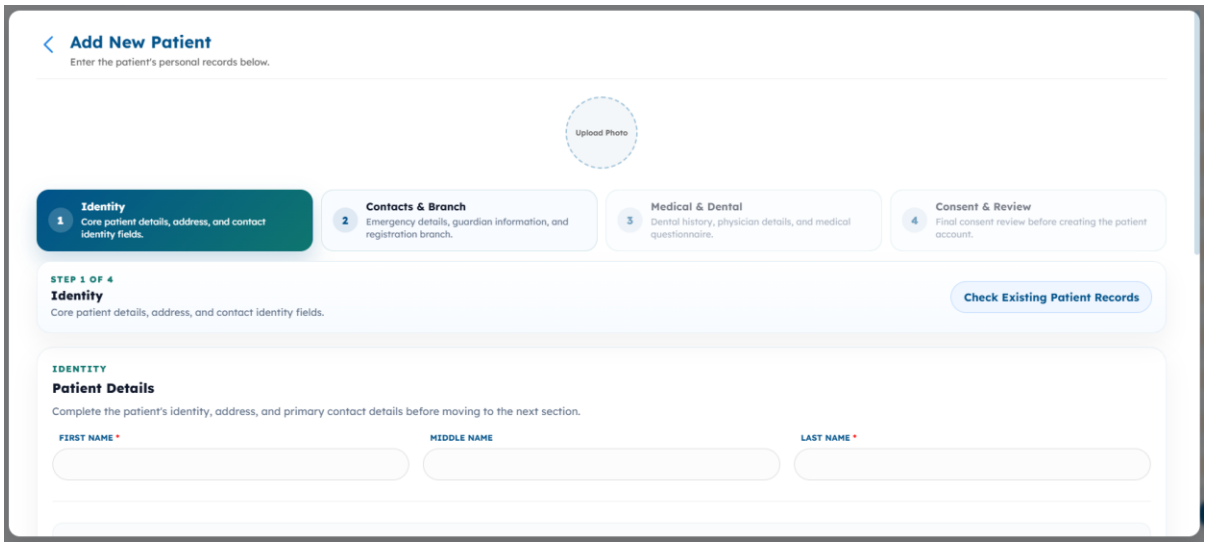


Figure 23. Add New Patient - Identity (Web)

Figures 22 and 23 show patient management and the first step of adding a patient. Authorized staff can search and filter patient records, perform record actions, export data, and enter a new patient's identity information.

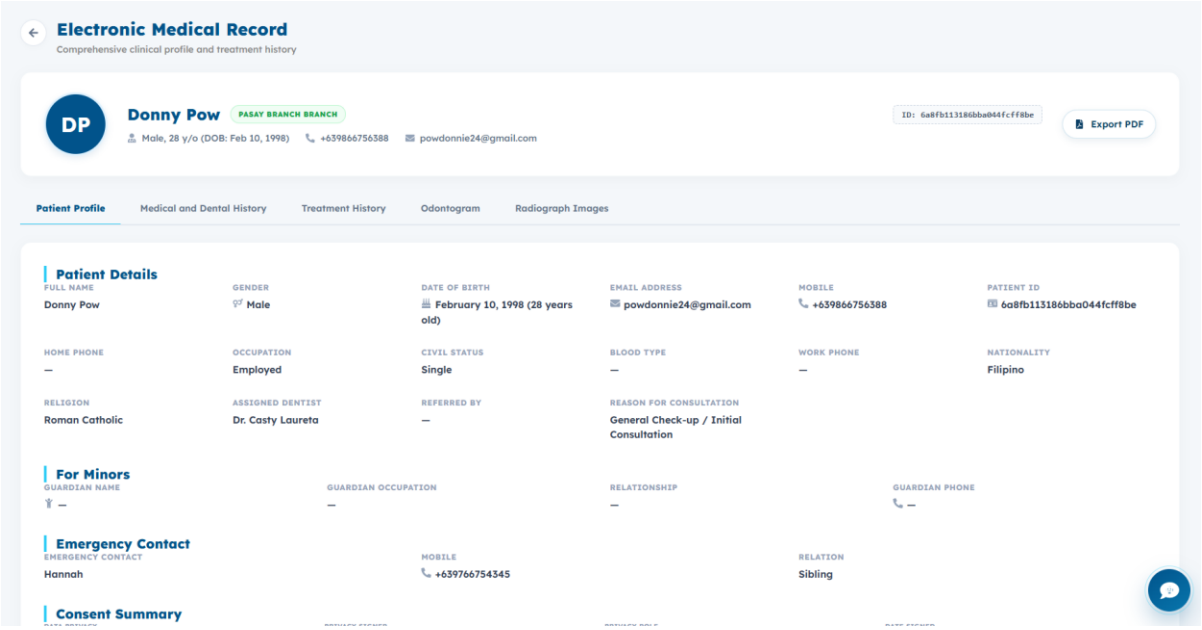


Figure 24. Electronic Medical Record - Patient Profile Overview (Web)

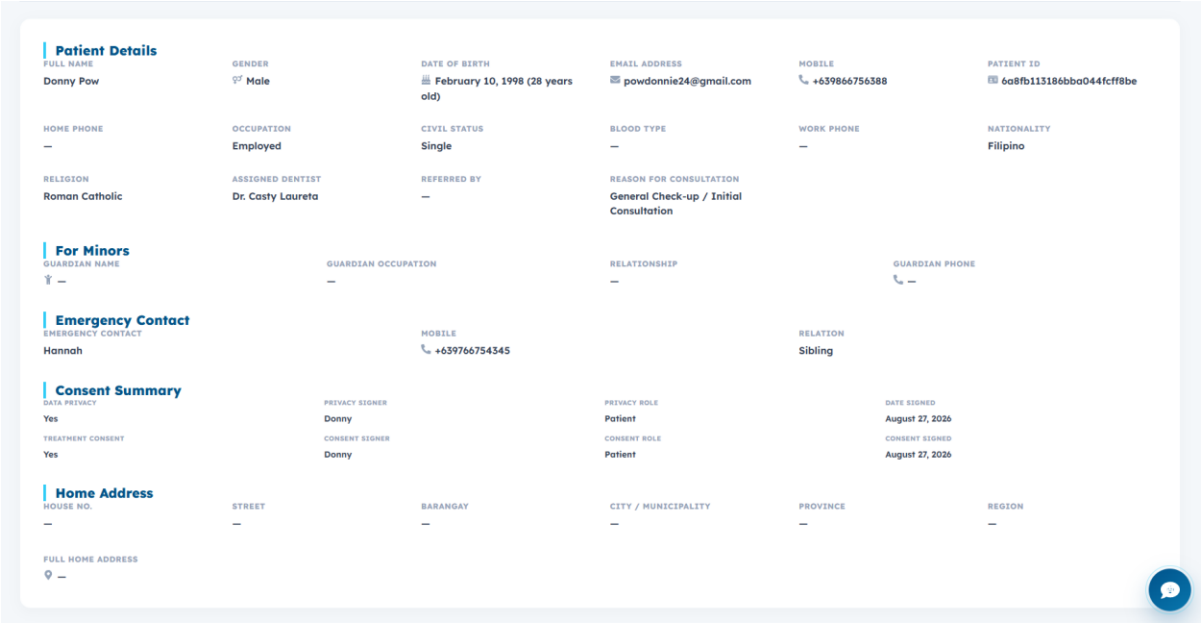


Figure 25. Electronic Medical Record - Patient Profile Details (Web)

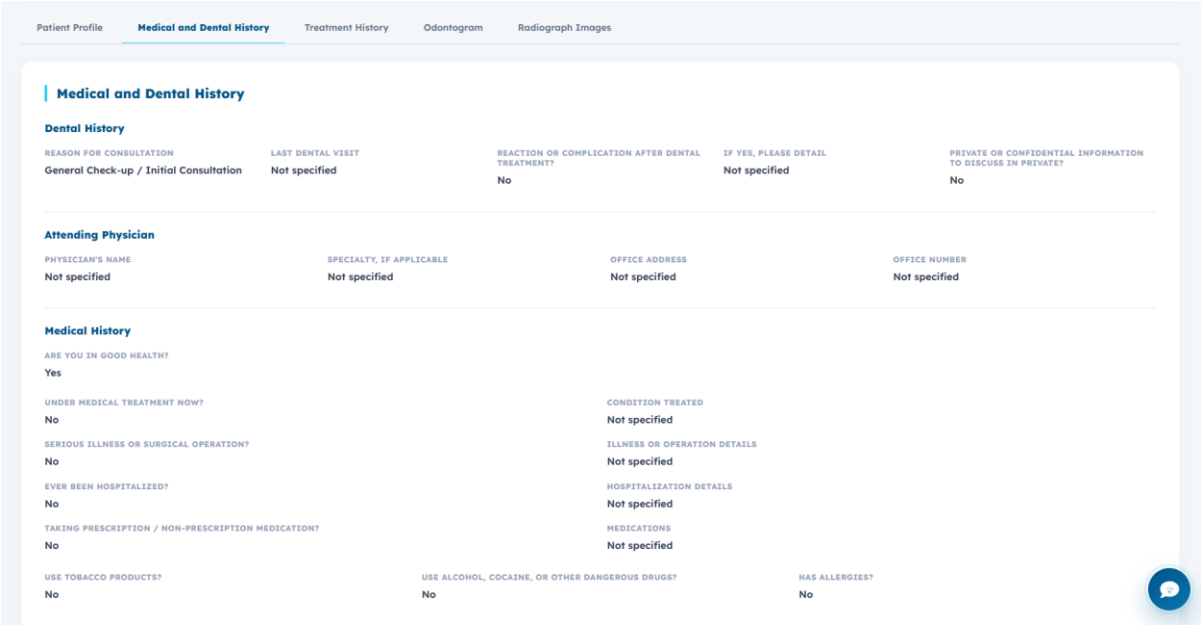


Figure 26. Electronic Medical Record - Medical and Dental History 1 (Web)

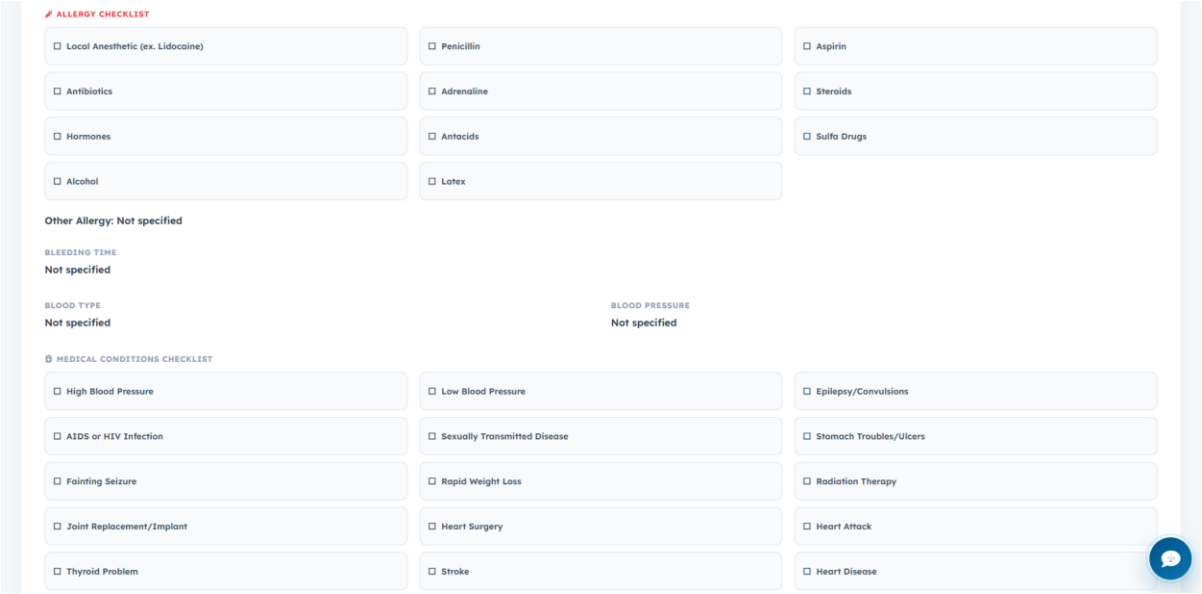


Figure 27. Electronic Medical Record - Medical and Dental History 2 (Web)

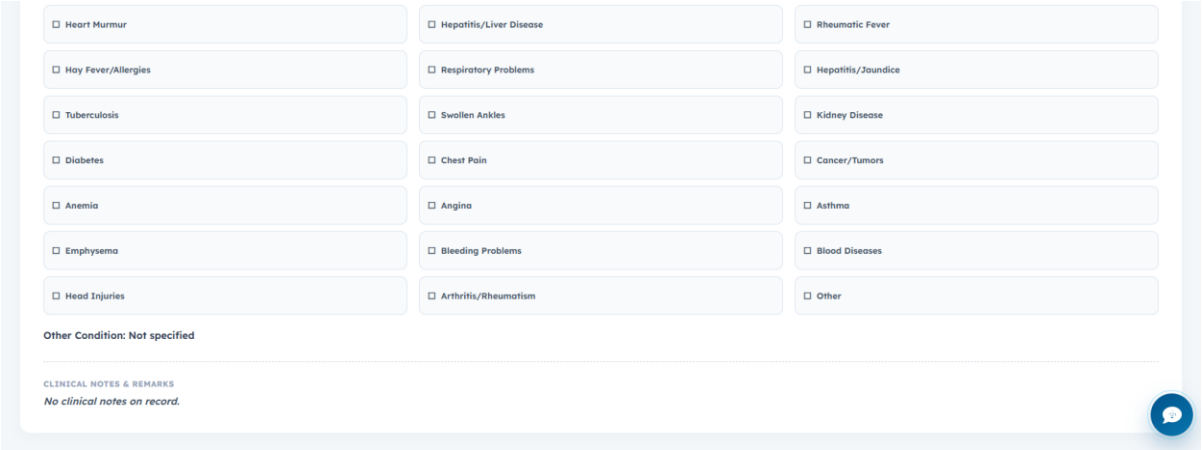


Figure 28. Electronic Medical Record - Medical and Dental History 3 (Web)

Figures 24 through 28 show the patient profile and the medical and dental history sections of the electronic medical record. These views consolidate demographic, contact, consent, allergy, medical-condition, medication, and related clinical information for authorized review.

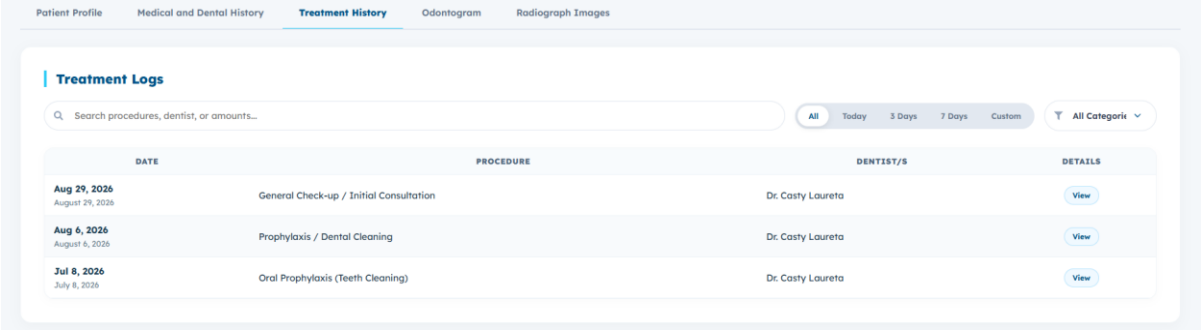


Figure 29. Electronic Medical Record - Treatment History 1 (Web)

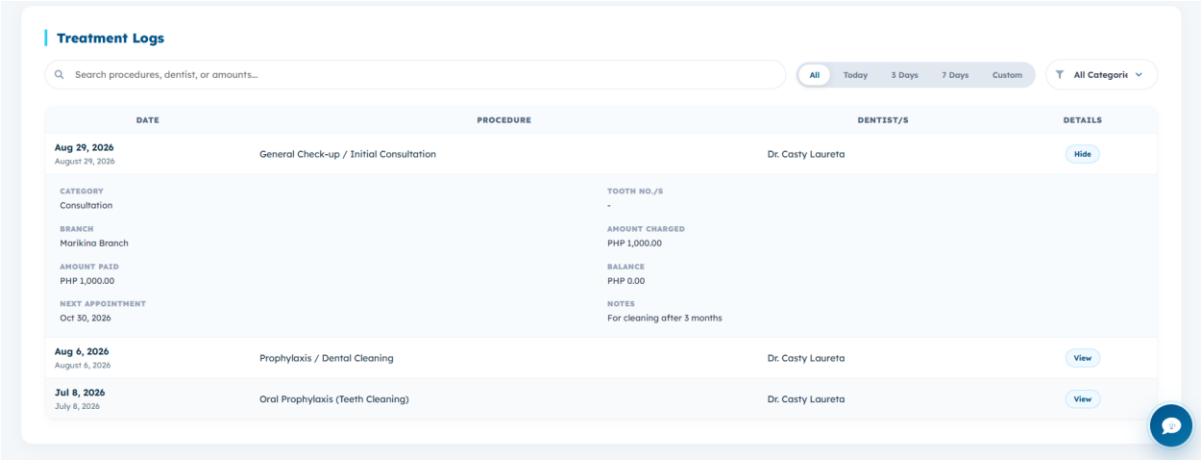


Figure 30. Electronic Medical Record - Treatment History 2 (Web)

Figures 29 and 30 show treatment-history views in the electronic medical record. Users can review treatment dates, procedures, dentists, clinical details, and other recorded information for each visit.

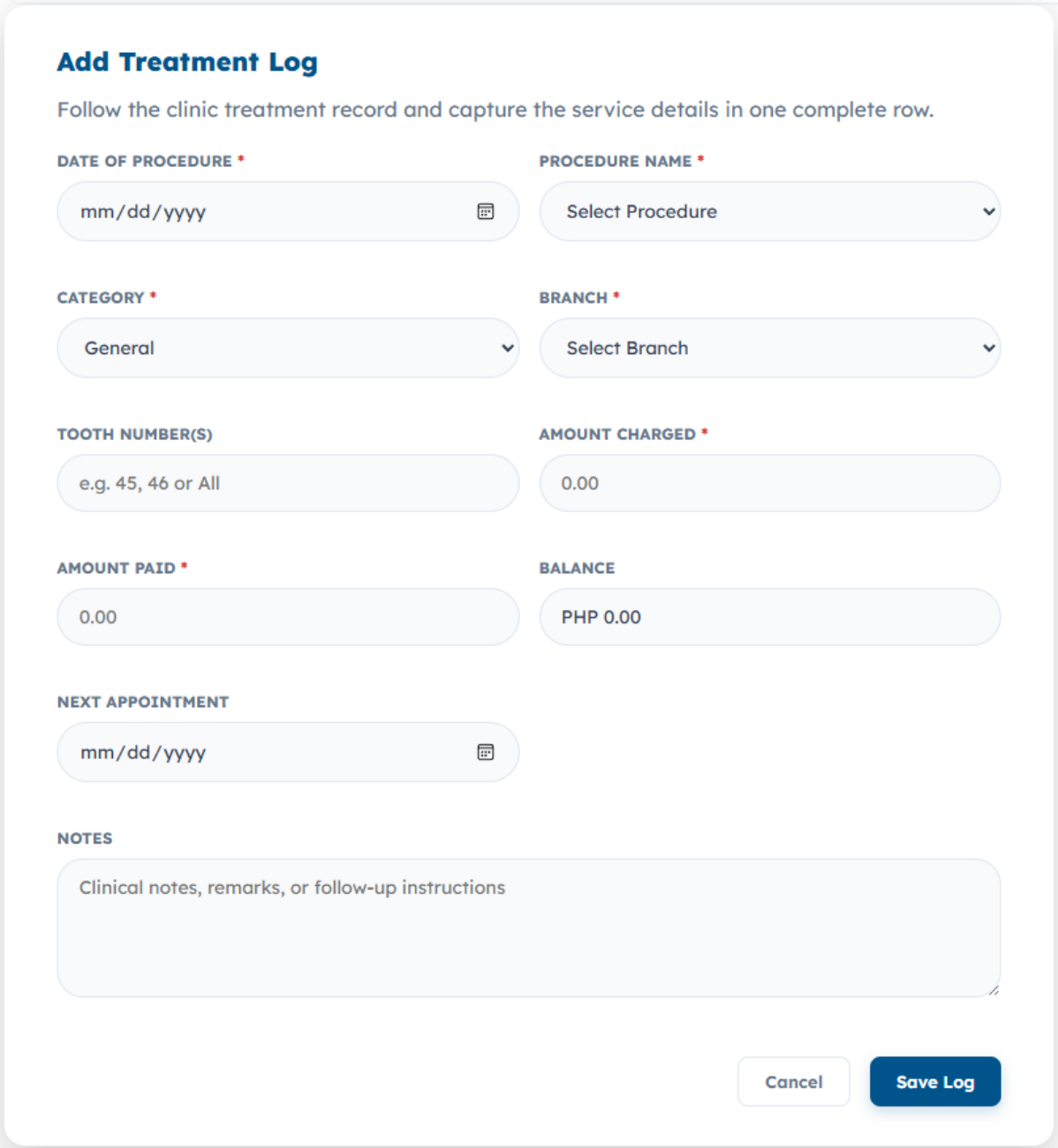


Figure 31. Add Treatment Log (Web)

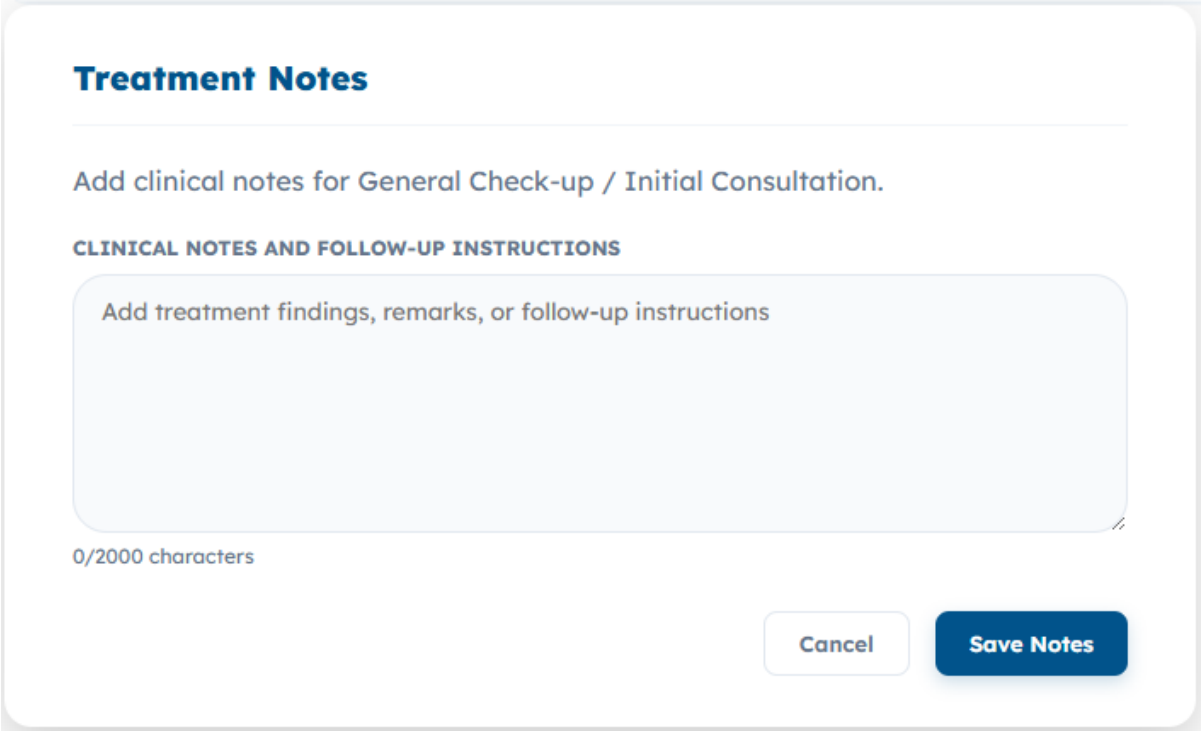


Figure 32. Add Treatment Notes (Web)

Figures 31 and 32 show the forms for adding a treatment log and its clinical notes. Staff can record the procedure, category, branch, charges, next appointment, and follow-up instructions.

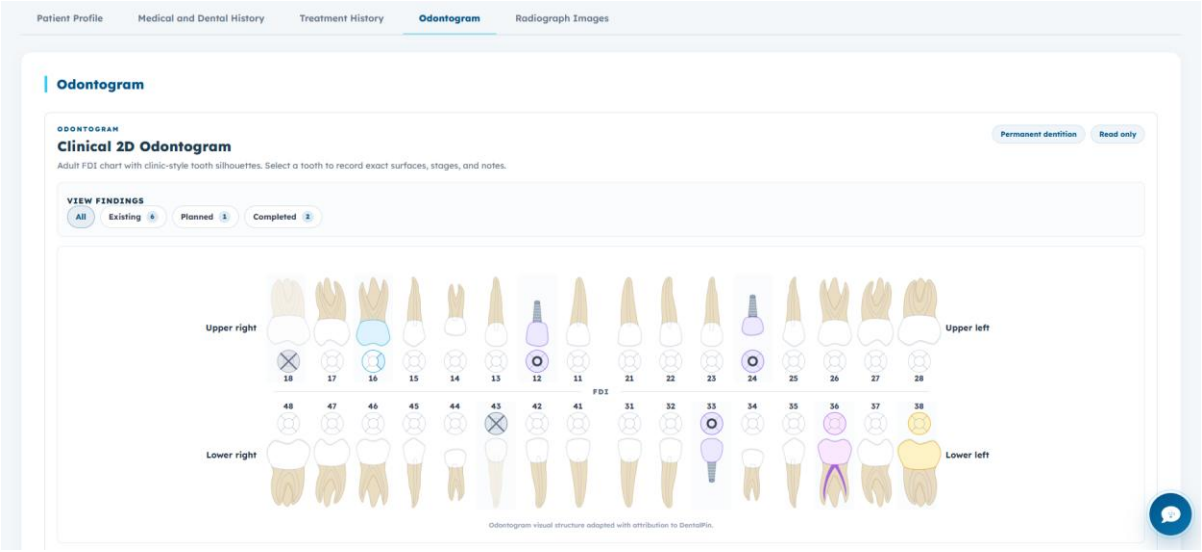


Figure 33. Clinical 2D Odontogram (Web)

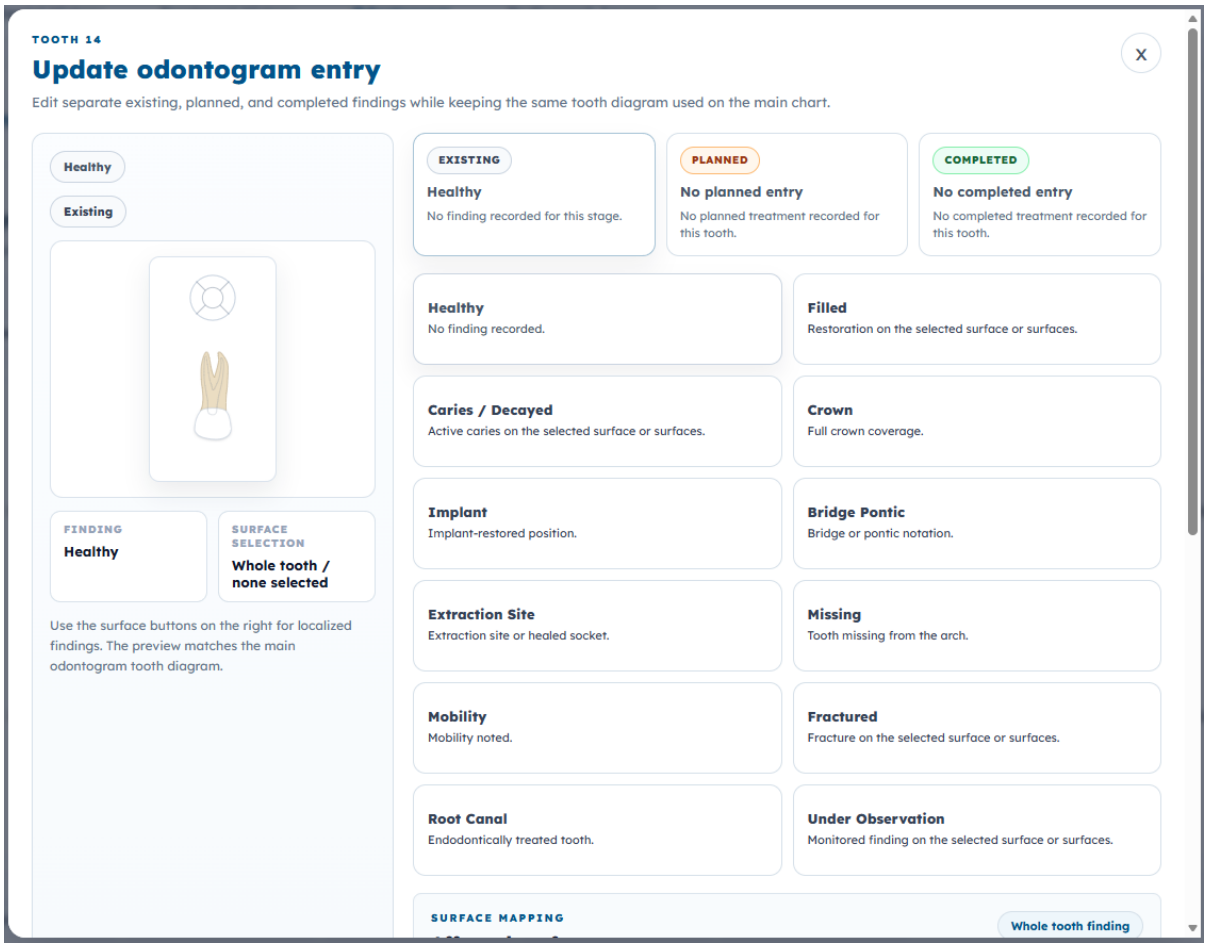


Figure 34. Update Odontogram Entry 1 (Web)

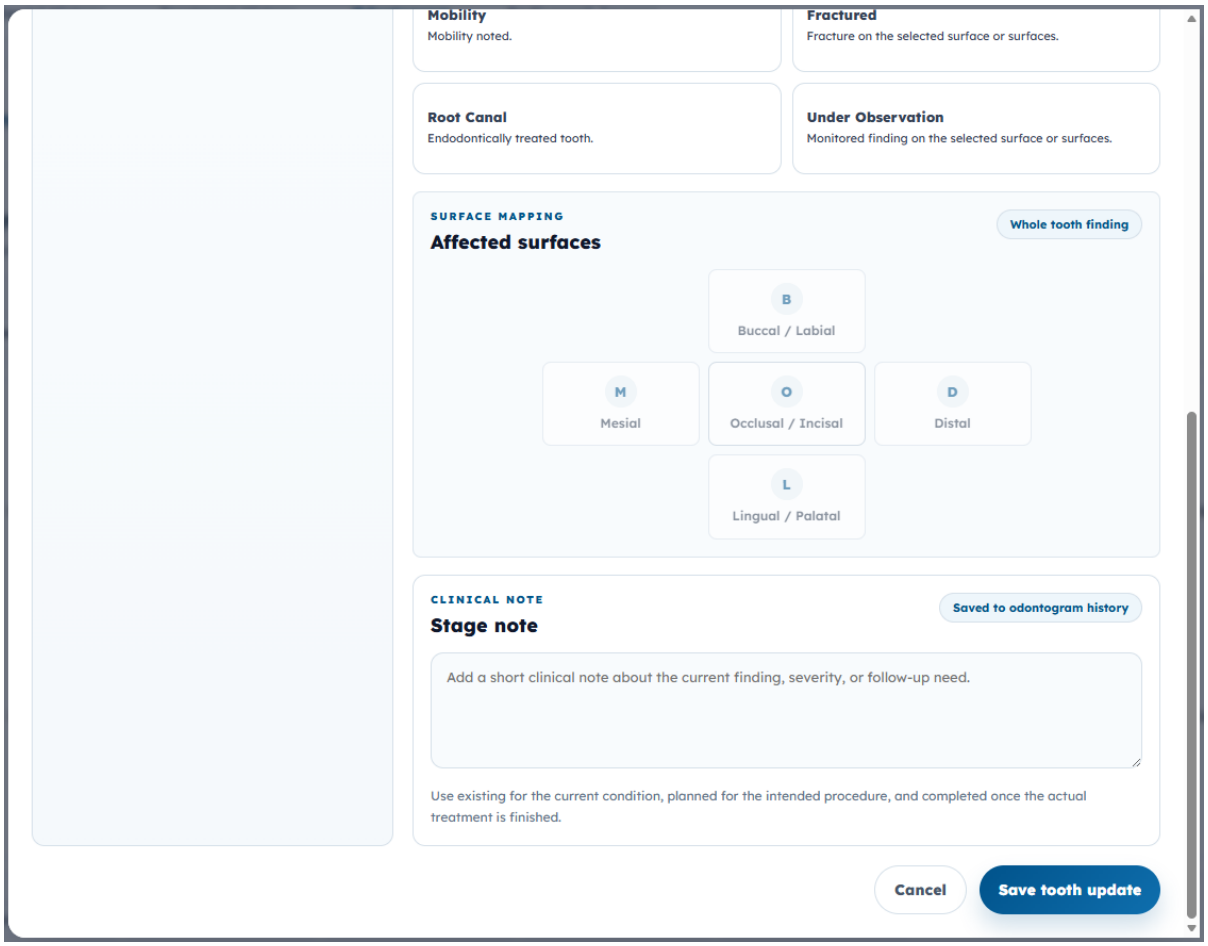


Figure 35. Update Odontogram Entry 2 (Web)

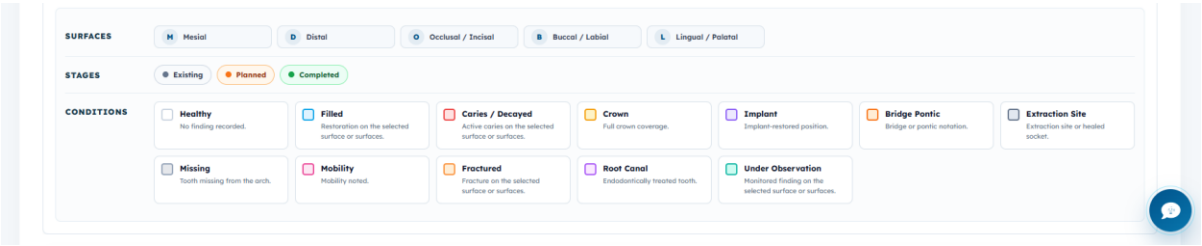
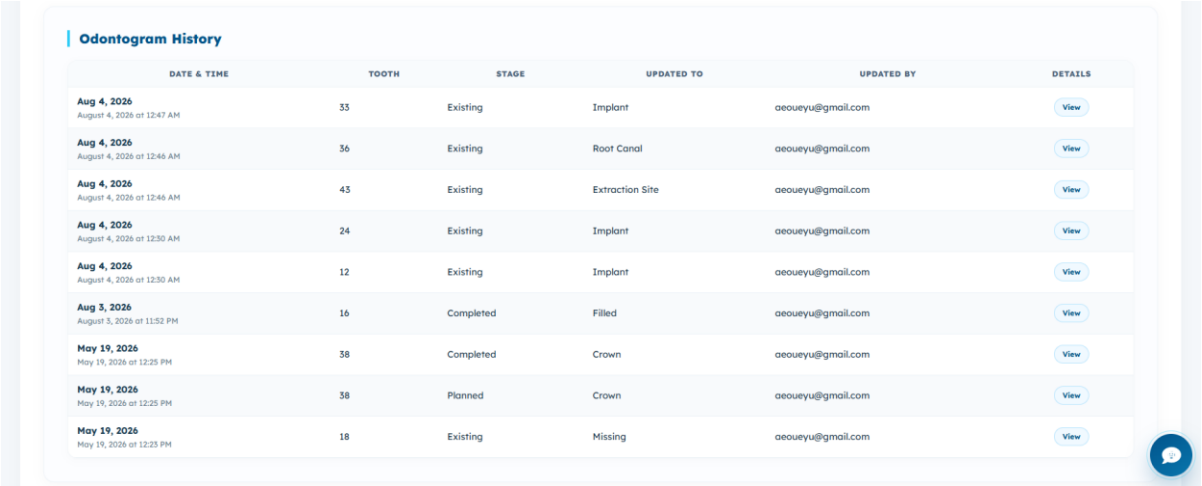


Figure 36. Odontogram Legend (Web)

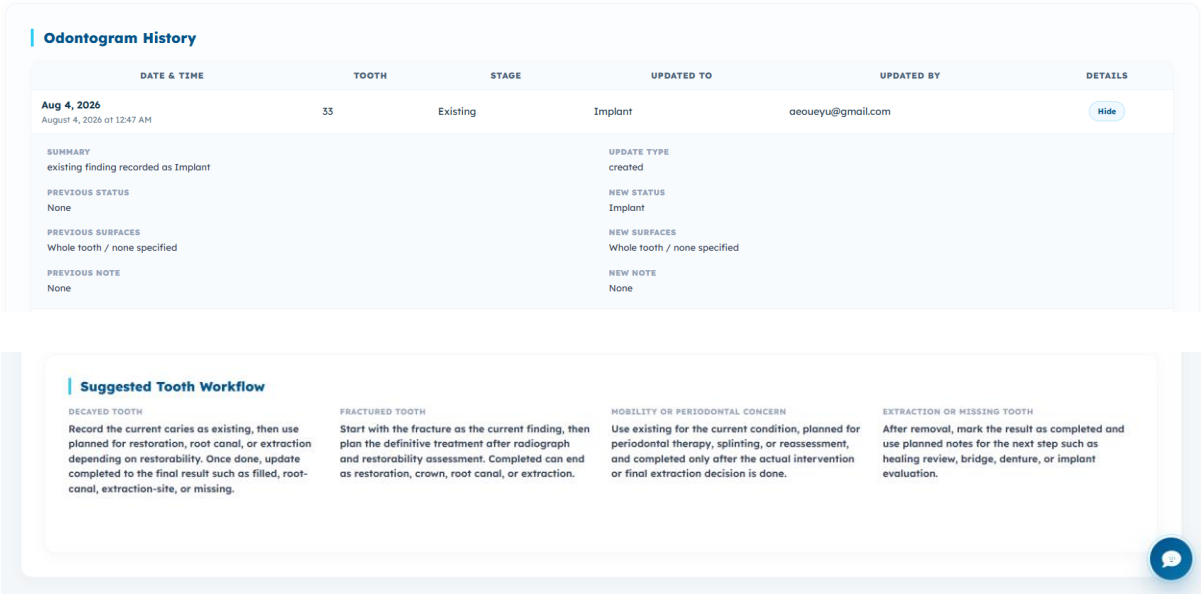


Odontogram History

DATE & TIME	TOOTH	STAGE	UPDATED TO	UPDATED BY	DETAILS
Aug 4, 2026 August 4, 2026 at 12:47 AM	33	Existing	Implant	aeoueyu@gmail.com	View
Aug 4, 2026 August 4, 2026 at 12:46 AM	36	Existing	Root Canal	aeoueyu@gmail.com	View
Aug 4, 2026 August 4, 2026 at 12:46 AM	43	Existing	Extraction Site	aeoueyu@gmail.com	View
Aug 4, 2026 August 4, 2026 at 12:30 AM	24	Existing	Implant	aeoueyu@gmail.com	View
Aug 4, 2026 August 4, 2026 at 12:30 AM	12	Existing	Implant	aeoueyu@gmail.com	View
Aug 3, 2026 August 3, 2026 at 11:52 PM	16	Completed	Filled	aeoueyu@gmail.com	View
May 19, 2026 May 19, 2026 at 12:25 PM	38	Completed	Crown	aeoueyu@gmail.com	View
May 19, 2026 May 19, 2026 at 12:25 PM	38	Planned	Crown	aeoueyu@gmail.com	View
May 19, 2026 May 19, 2026 at 12:23 PM	18	Existing	Missing	aeoueyu@gmail.com	View

Figure 37. Odontogram History (Web)

Figures 33 through 37 show the clinical odontogram, tooth-entry workflow, legend, and odontogram history. Dental staff can select a tooth and surface, record its stage and condition, add clinical notes, and review previously recorded odontogram changes.



Odontogram History

DATE & TIME	TOOTH	STAGE	UPDATED TO	UPDATED BY	DETAILS
Aug 4, 2026 August 4, 2026 at 12:47 AM	33	Existing	Implant	aeoueyu@gmail.com	Hide

SUMMARY
existing finding recorded as Implant

UPDATE TYPE
created

PREVIOUS STATUS
None

NEW STATUS
Implant

PREVIOUS SURFACES
Whole tooth / none specified

NEW SURFACES
Whole tooth / none specified

PREVIOUS NOTE
None

NEW NOTE
None

Suggested Tooth Workflow

DECAYED TOOTH
Record the current caries as existing, then use planned for restoration, root canal, or extraction depending on restorability. Once done, update completed to the final result such as filled, root-canal, extraction-site, or missing.

FRACTURED TOOTH
Start with the fracture as the current finding, then plan the definitive treatment after radiograph and restorability assessment. Completed can end as restoration, crown, root canal, or extraction.

MOBILITY OR PERIODONTAL CONCERN
Use existing for the current condition, planned for periodontal therapy, splinting, or reassessment, and completed only after the actual intervention or final extraction decision is done.

EXTRACTION OR MISSING TOOTH
After removal, mark the result as completed and use planned notes for the next step such as healing review, bridge, denture, or implant evaluation.

Figure 38. Radiograph History (Web)

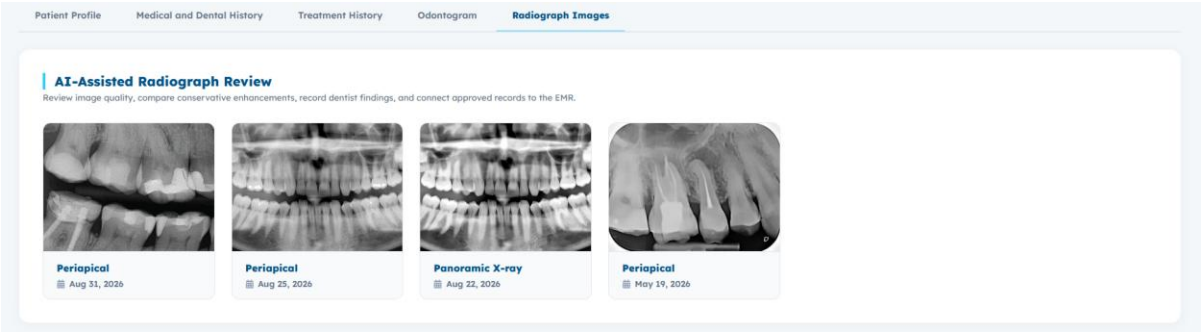


Figure 39. AI-Assisted Radiograph Review (Web)

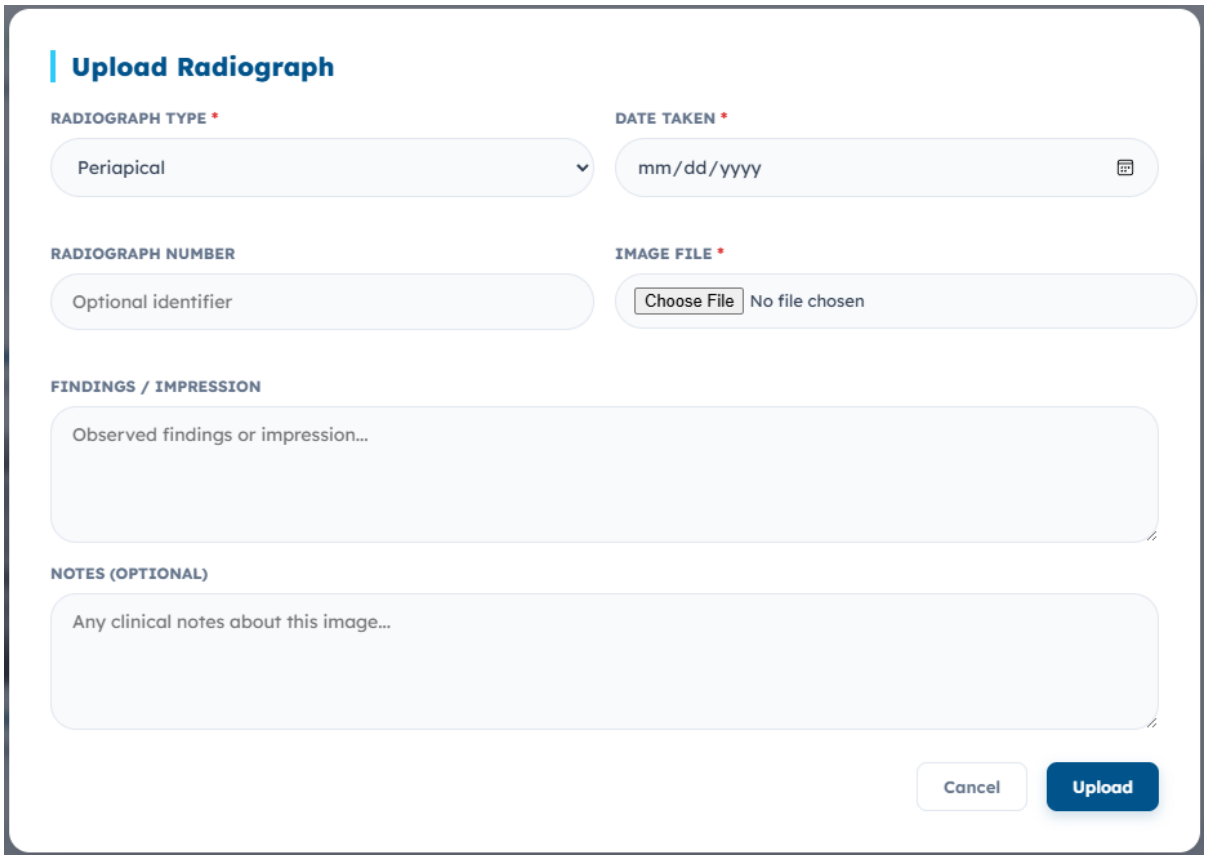


Figure 40. Upload Radiograph (Web)

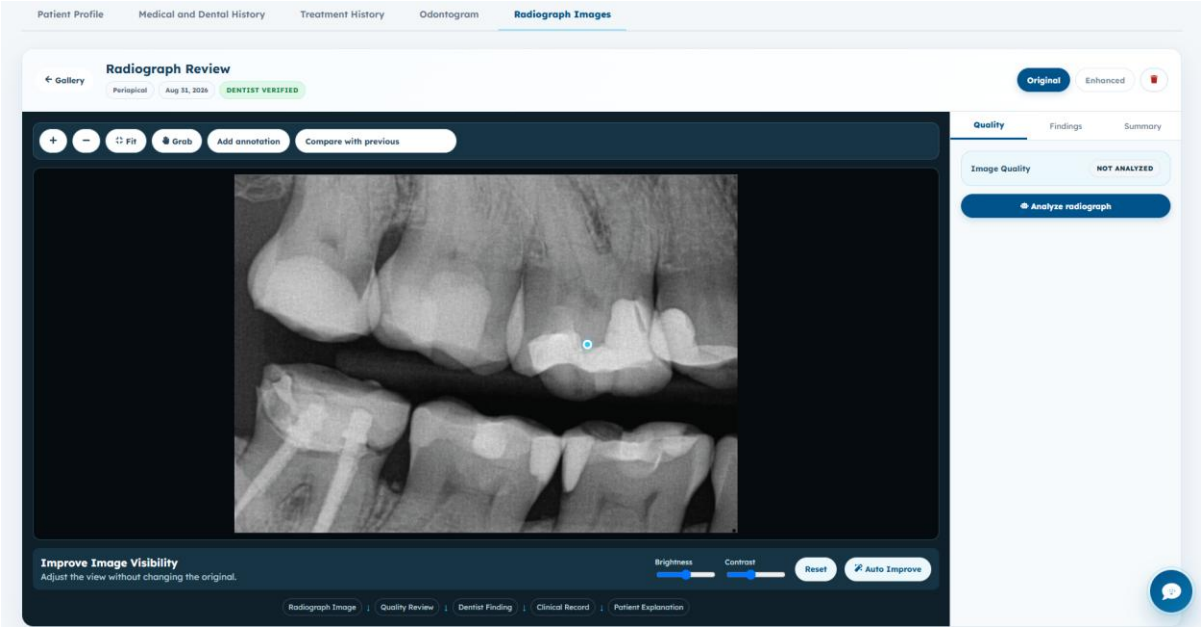


Figure 41. Radiograph Viewer (Web)

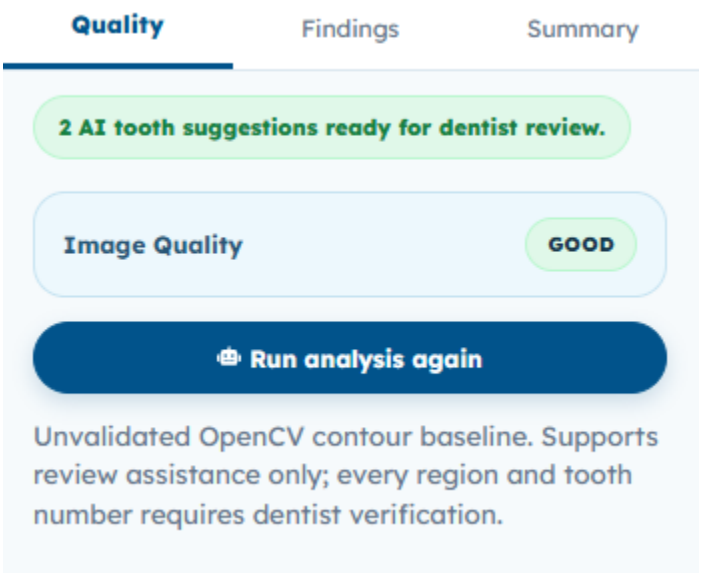


Figure 42. AI Radiograph Analysis - Quality (Web)

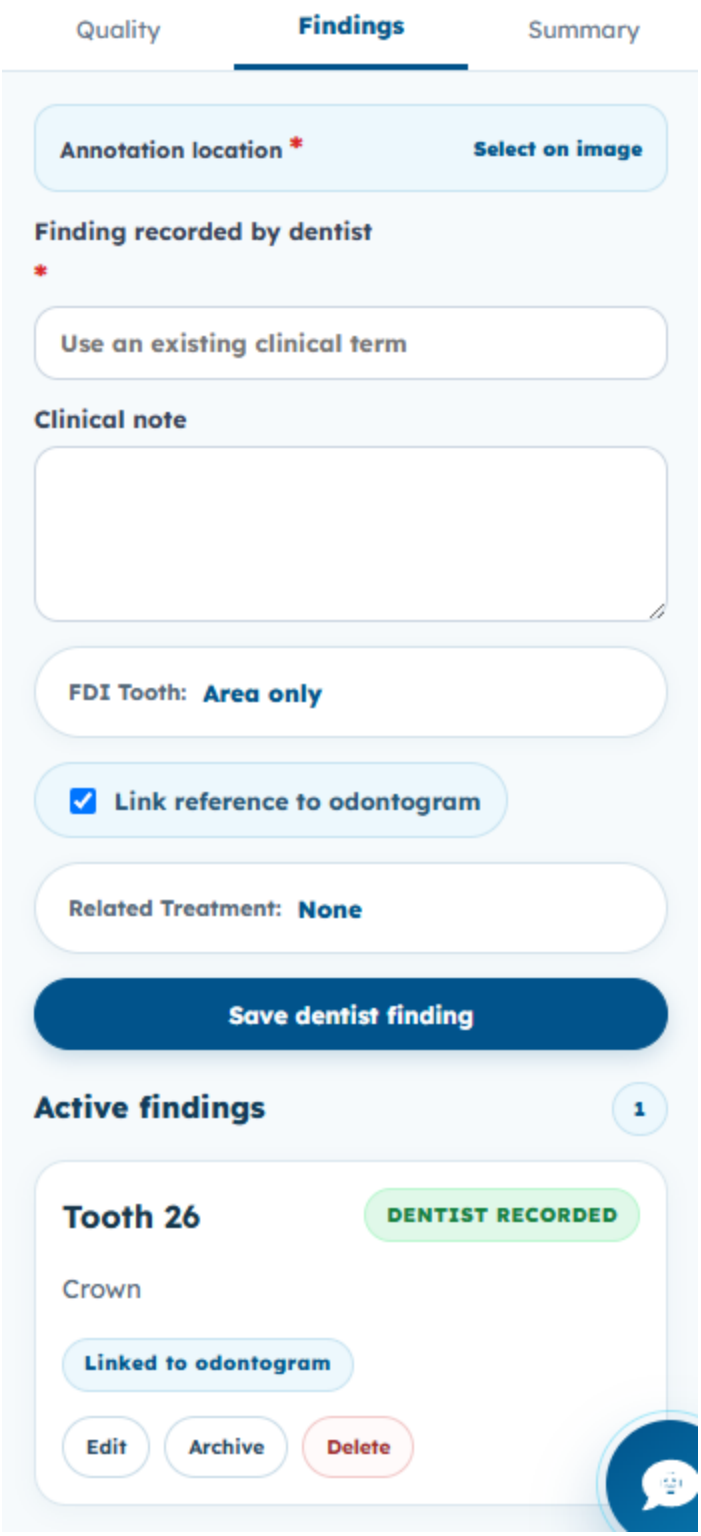


Figure 43. AI Radiograph Analysis - Findings (Web)

Figure 44. AI Radiograph Analysis - Summary (Web)

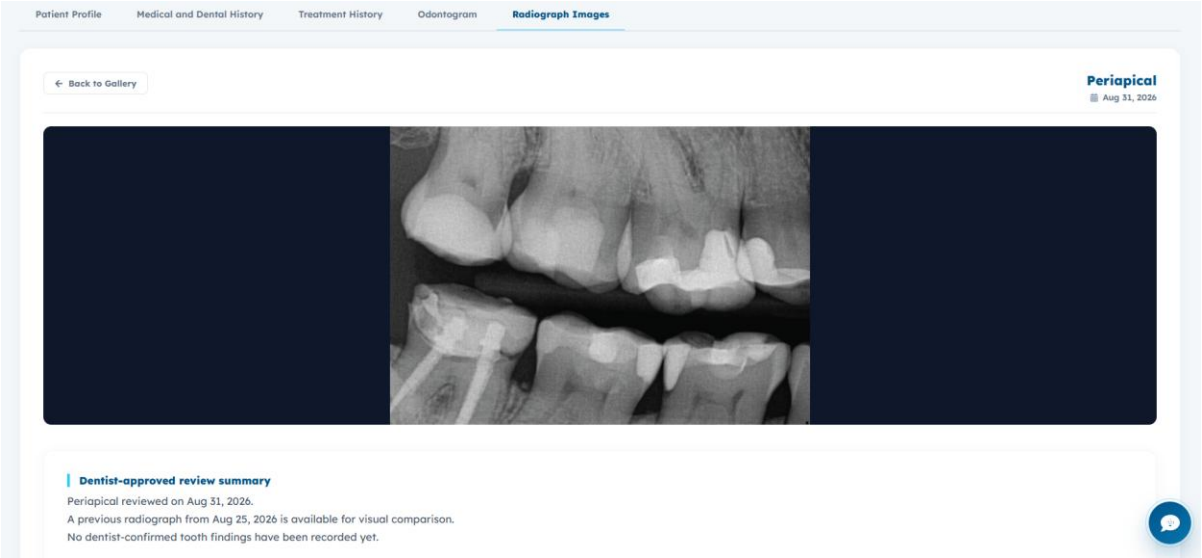


Figure 45. Dentist-Approved Radiograph Summary (Web)

Figures 38 through 45 show radiograph history, uploading, viewing, AI-assisted review, and the dentist-approved summary. The system stores radiograph details, presents quality and finding suggestions for professional verification, and preserves the approved interpretation in the patient's record.

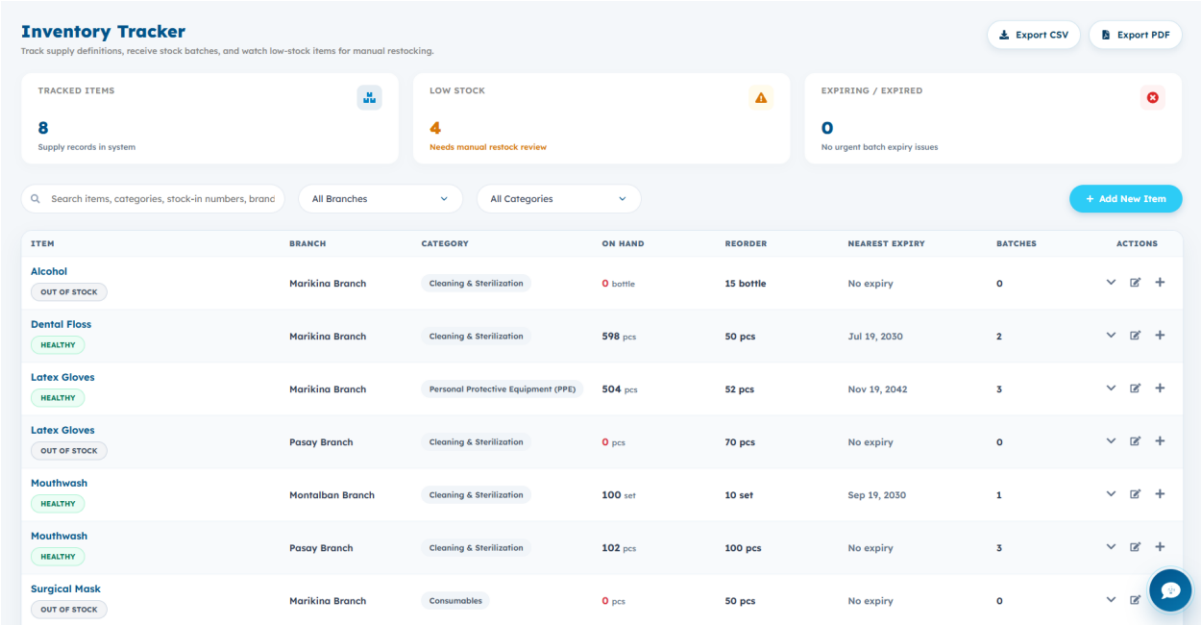


Figure 46. Inventory Tracker (Web)

Figure 47. Inventory Item Details (Web)

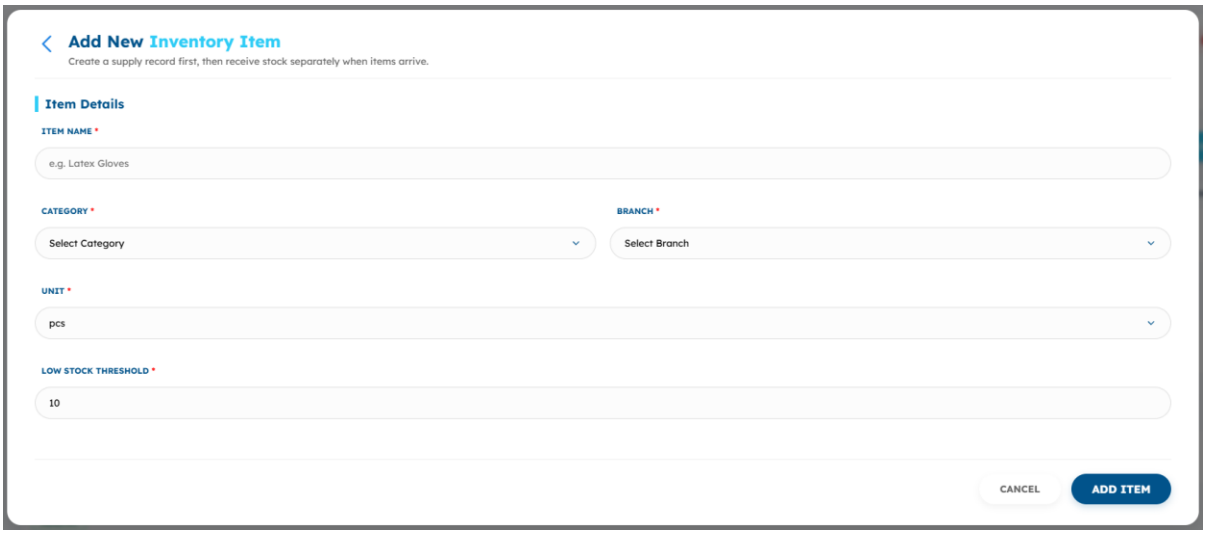


Figure 48. Add New Inventory Item (Web)

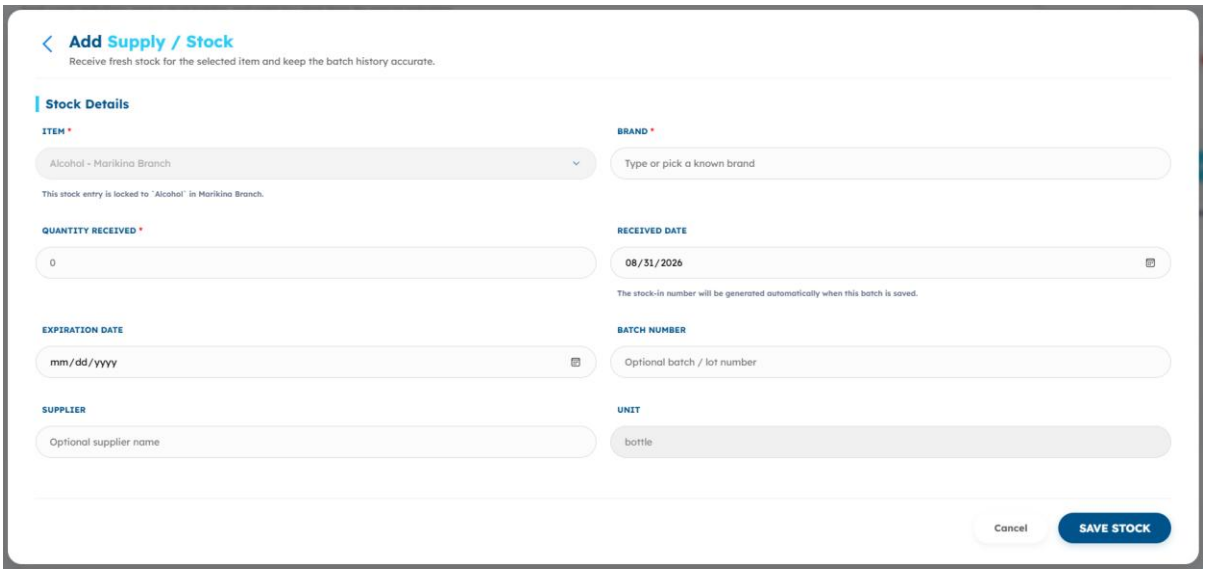


Figure 49. Add Supply or Stock (Web)

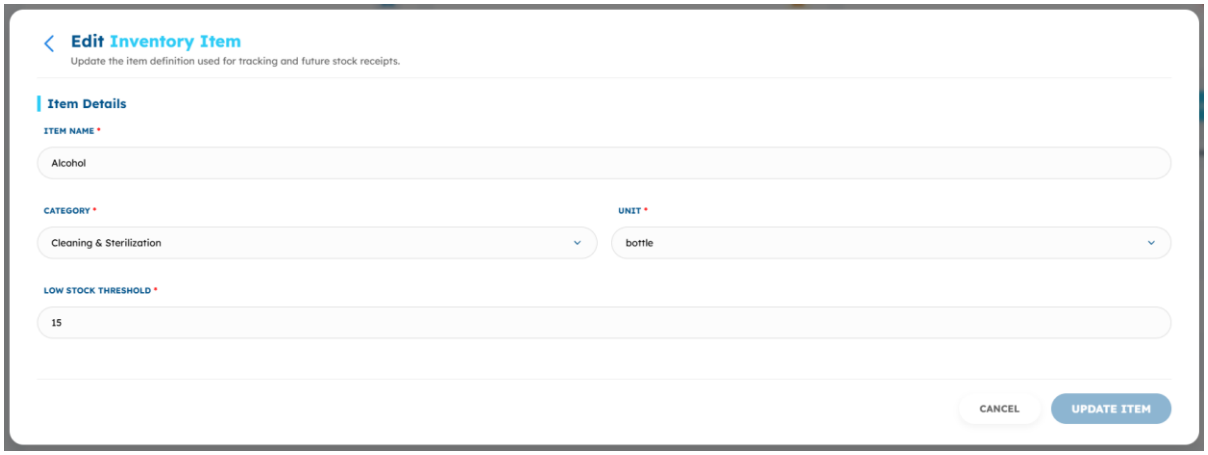


Figure 50. Edit Inventory Item (Web)

Figures 46 through 50 show the inventory tracker and item-maintenance screens. Authorized users can monitor stock levels and expiry status, inspect item history, create an inventory item, add stock, and update item details.

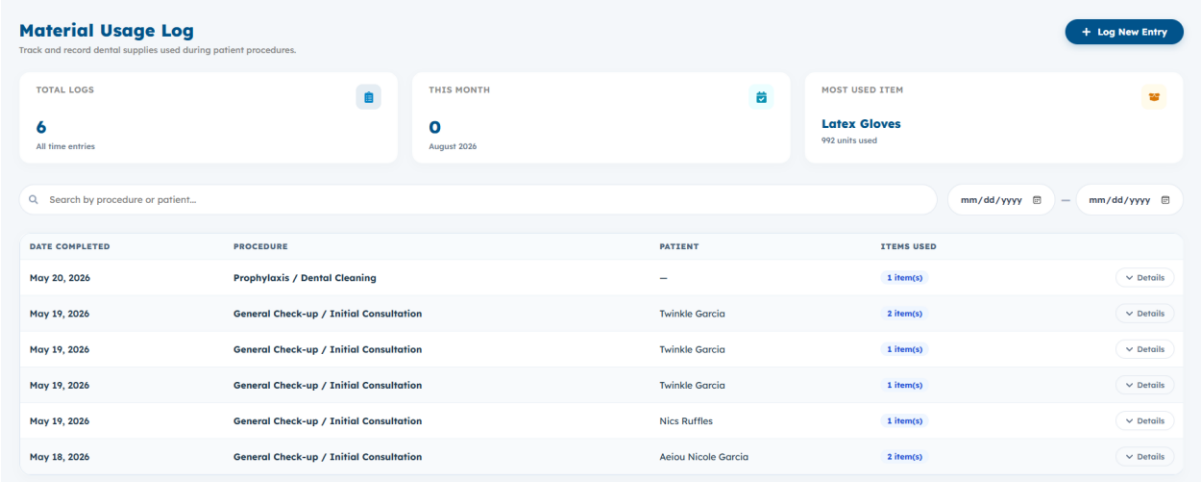


Figure 51. Material Usage Log 1 (Web)

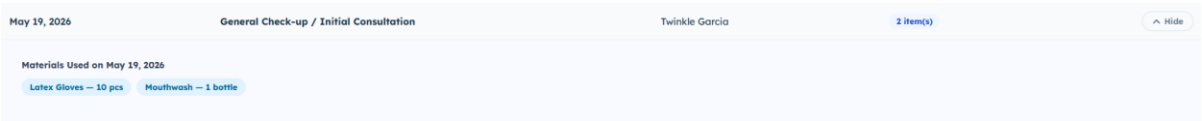


Figure 52. Material Usage Log 2 (Web)

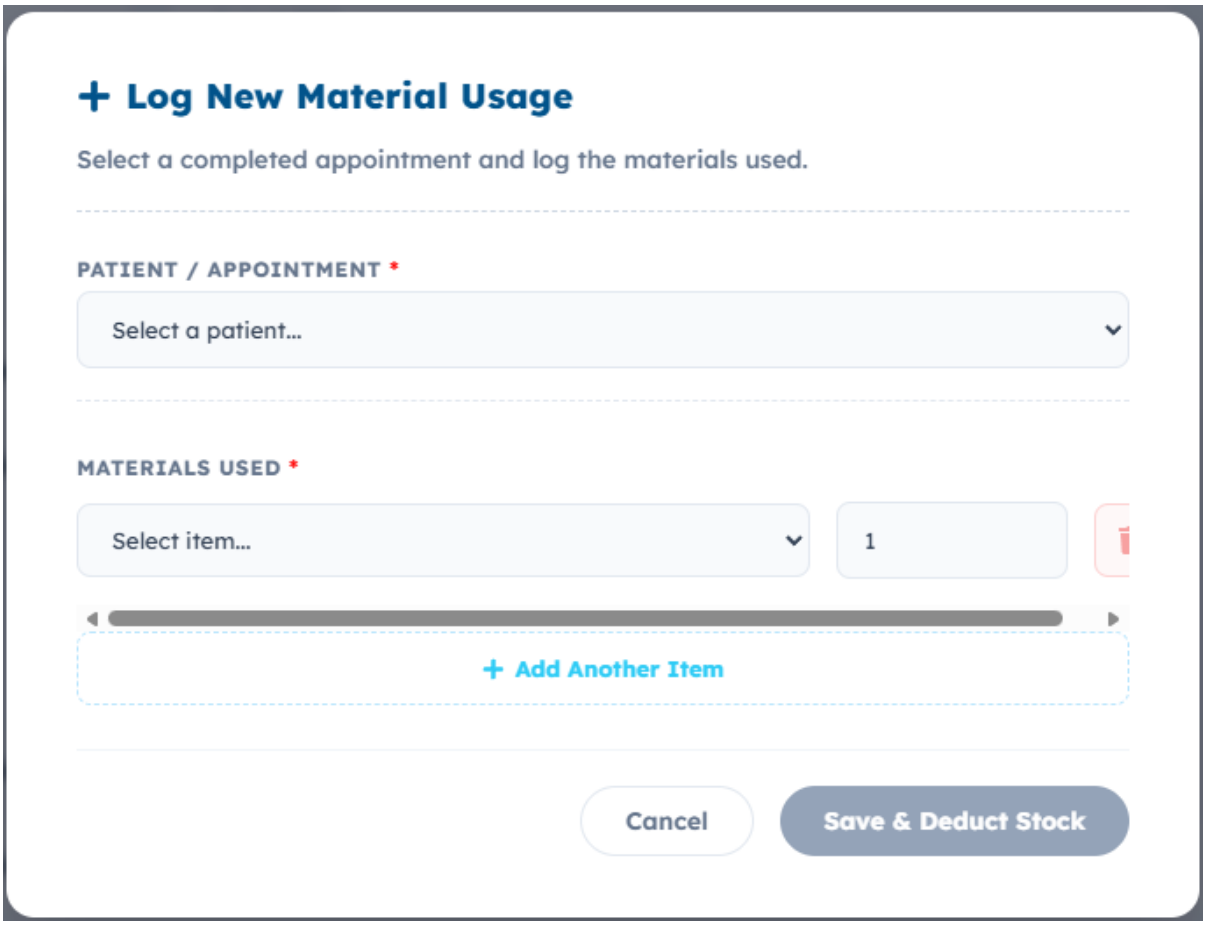


Figure 53. Log New Material Usage (Web)

Figures 51, 52, and 53 show the material usage log and the form for recording materials consumed during a completed appointment. Recorded quantities are deducted from inventory to keep stock balances current.

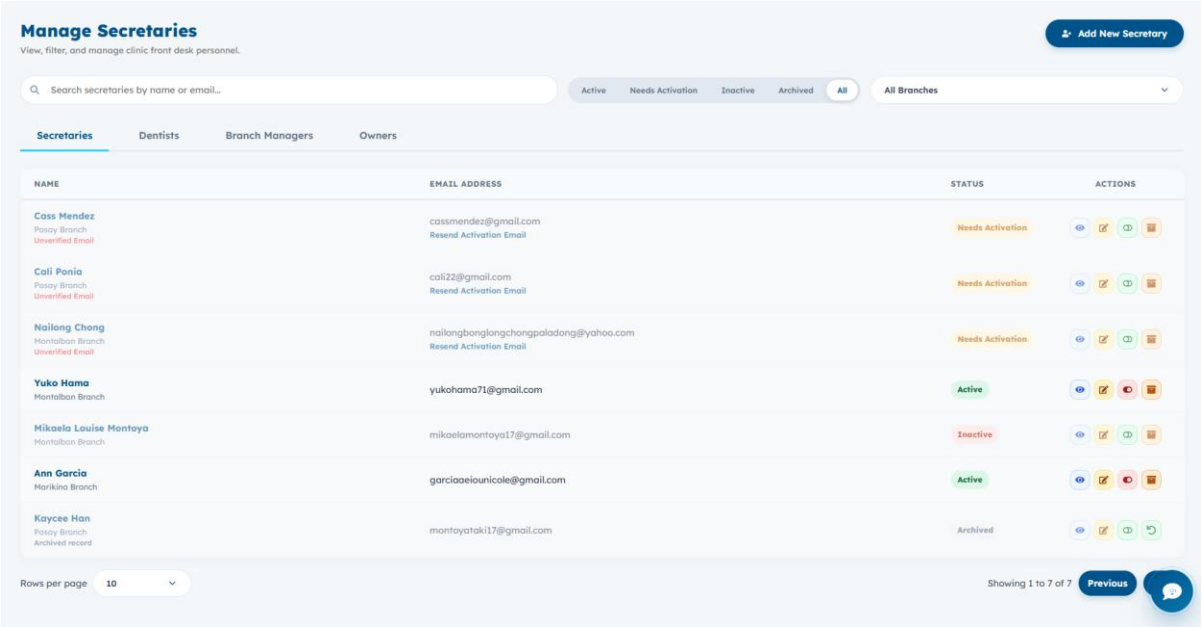


Figure 54. Manage Secretaries (Web)

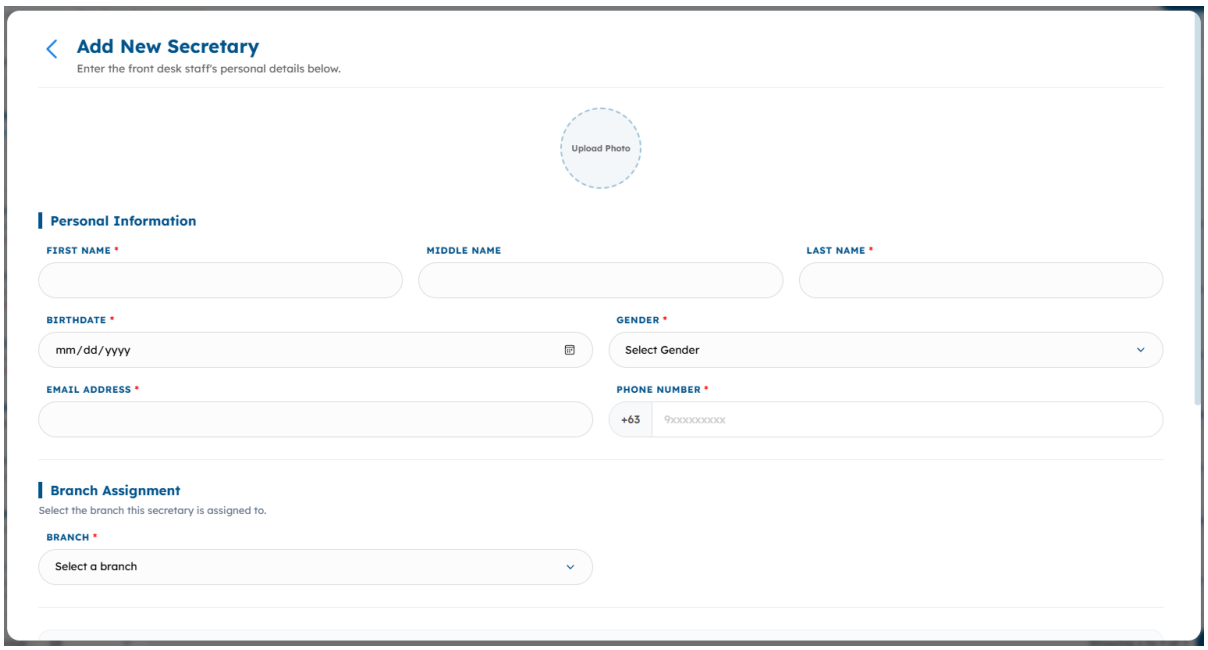


Figure 55. Add New Secretary (Web)

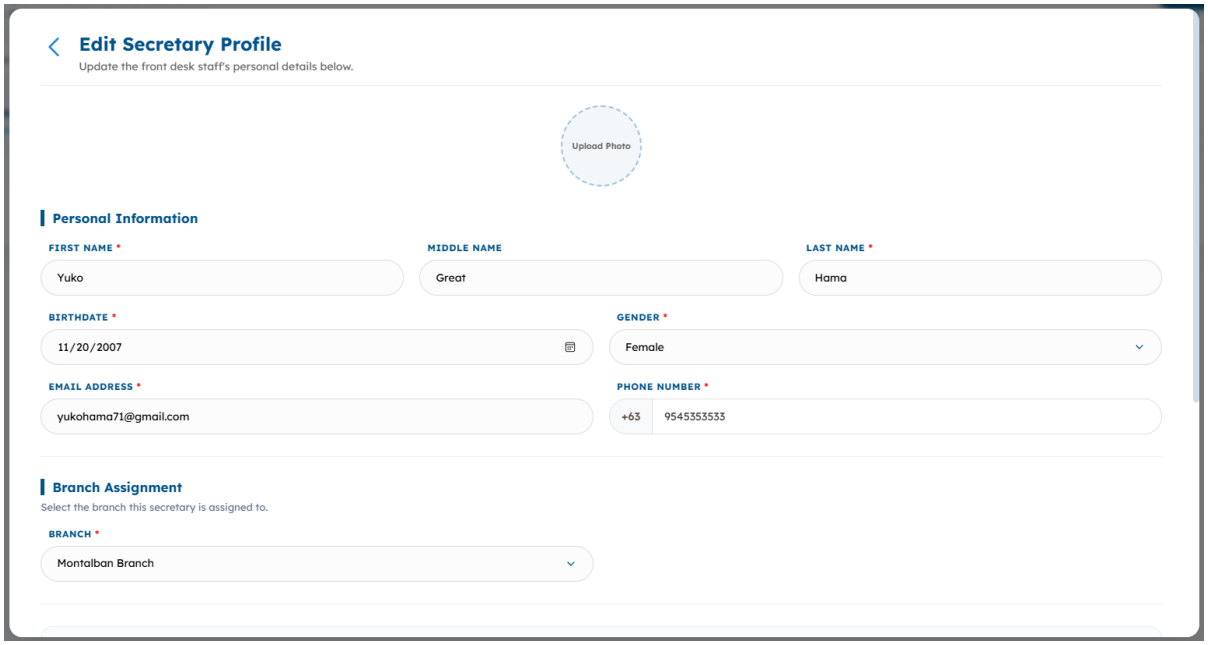


Figure 56. Edit Secretary Profile (Web)

Figures 54, 55, and 56 show secretary account management. Administrators can search, filter, add, and edit secretary profiles and assign each secretary to a clinic branch.

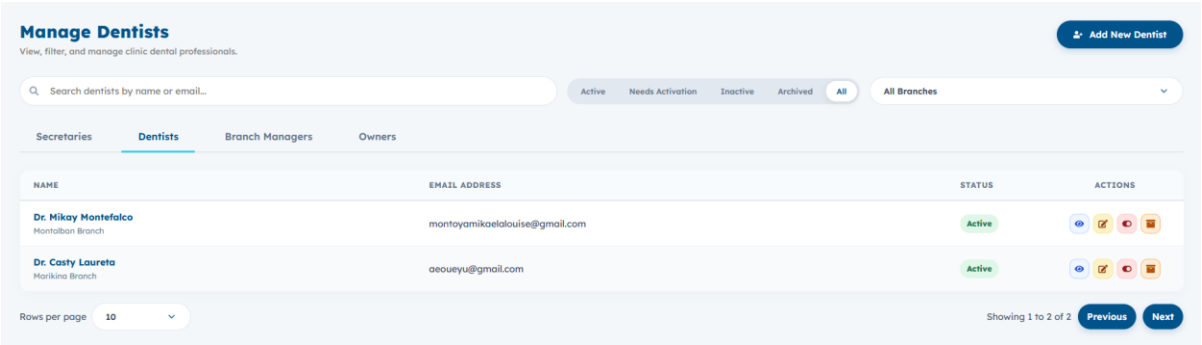


Figure 57. Manage Dentists (Web)

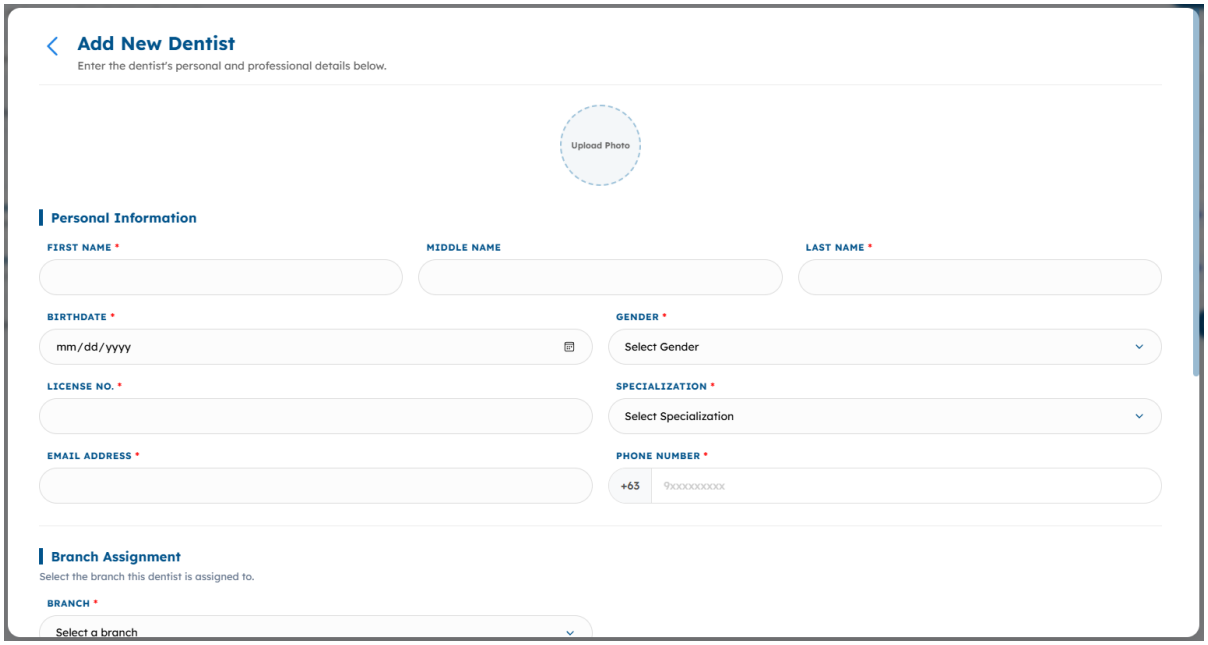


Figure 58. Add New Dentist (Web)

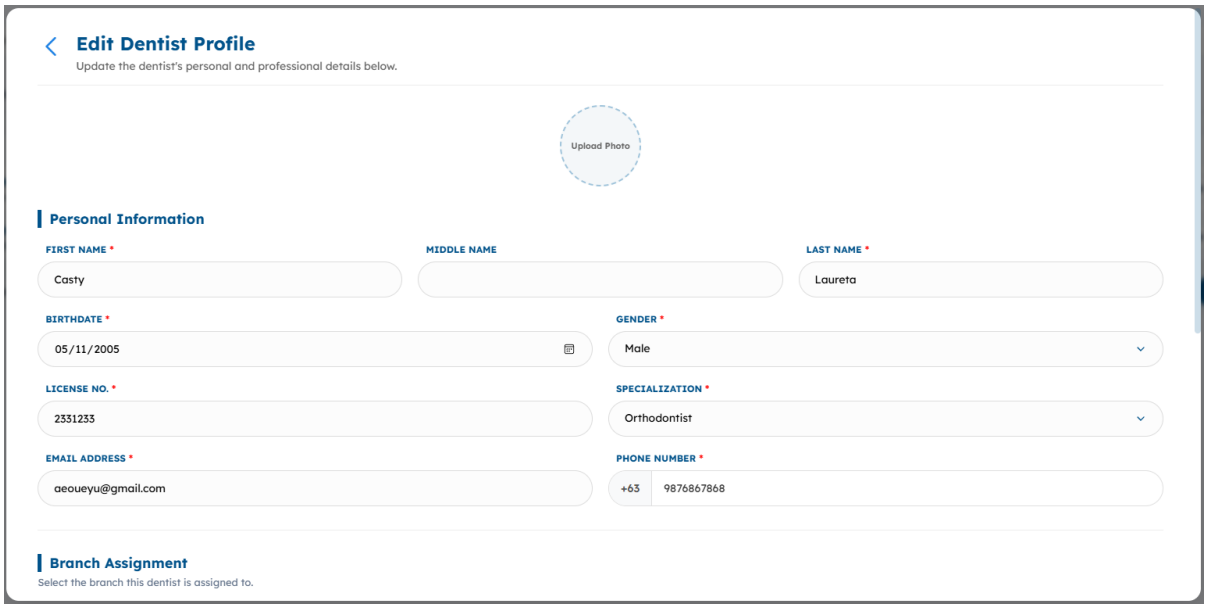


Figure 59. Edit Dentist Profile (Web)

Figures 57, 58, and 59 show dentist account management. Administrators can create and update dentist profiles, including professional credentials, specialization, contact information, and branch assignment.

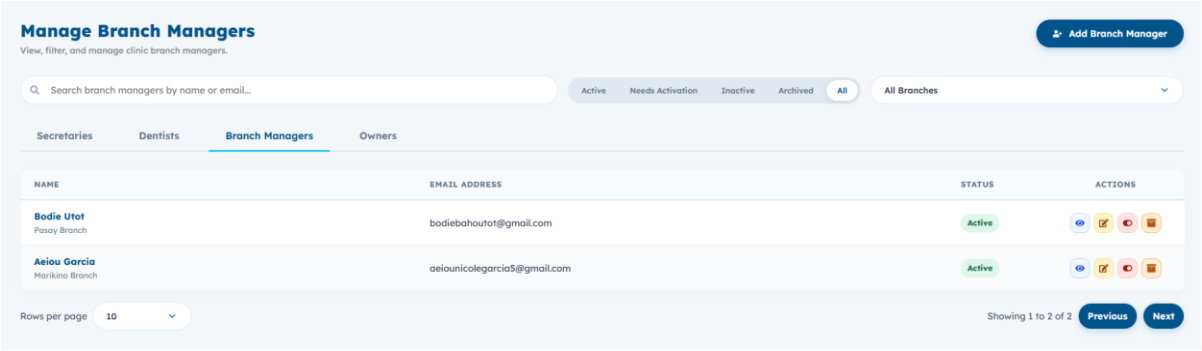


Figure 60. Manage Branch Managers (Web)

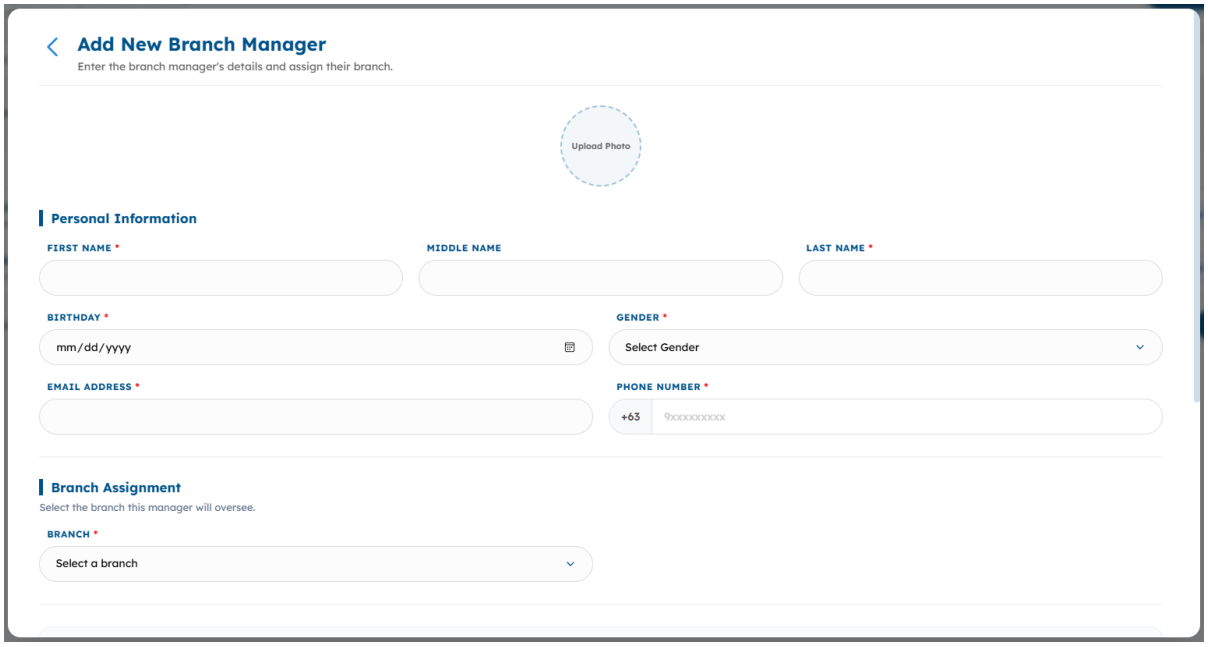


Figure 61. Add New Branch Manager (Web)

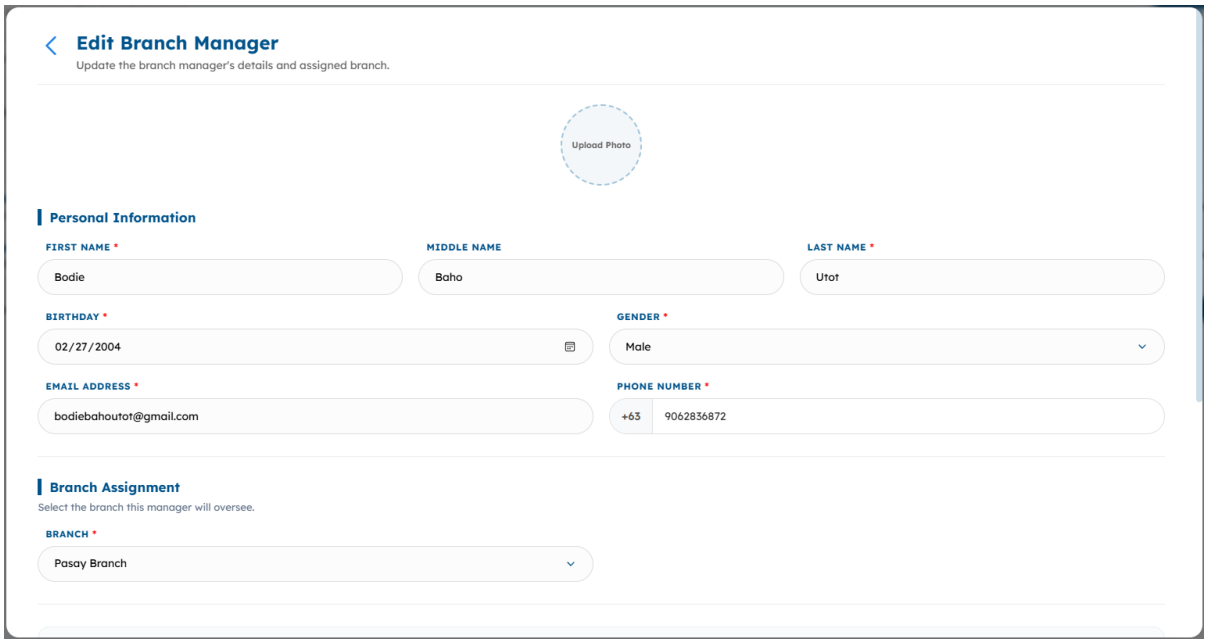


Figure 62. Edit Branch Manager (Web)

Figures 60, 61, and 62 show branch-manager account management. Administrators can add or edit a manager's personal information and assigned branch.

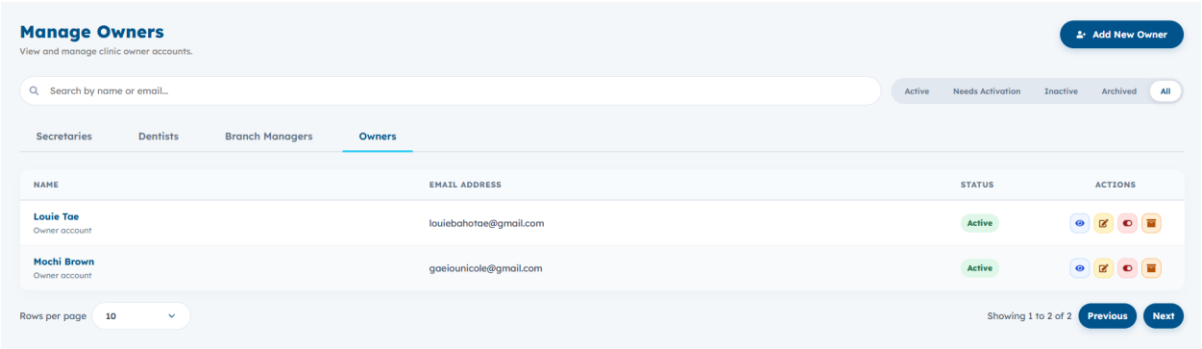


Figure 63. Manage Owners (Web)

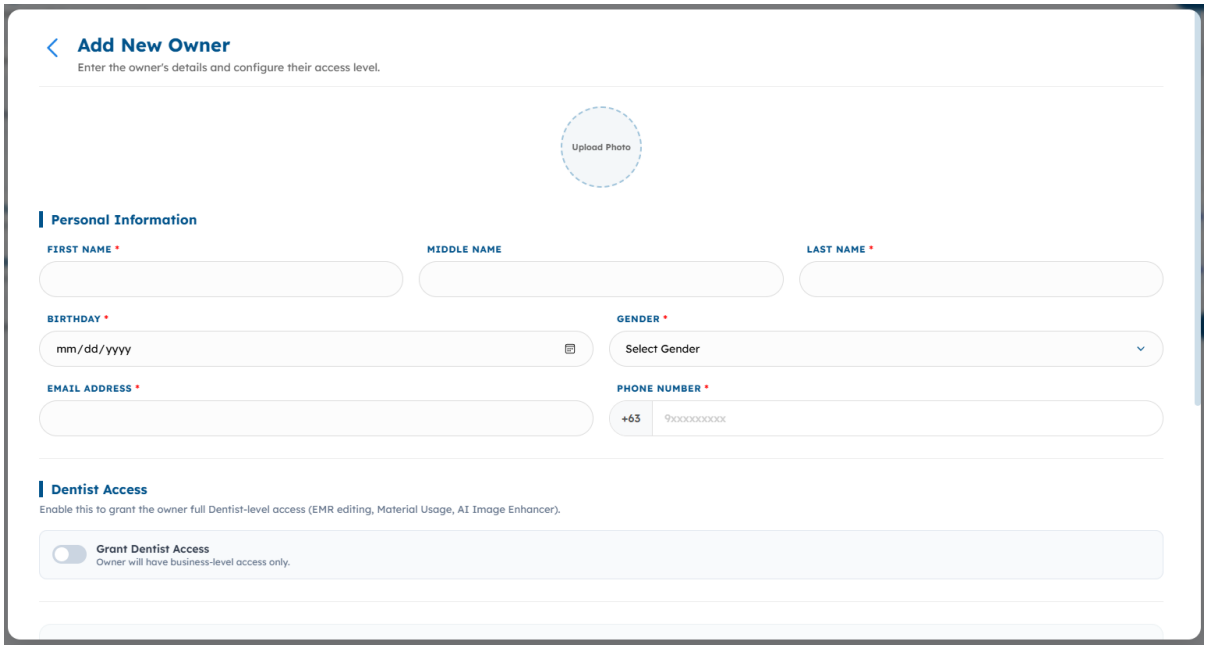


Figure 64. Add New Owner (Web)

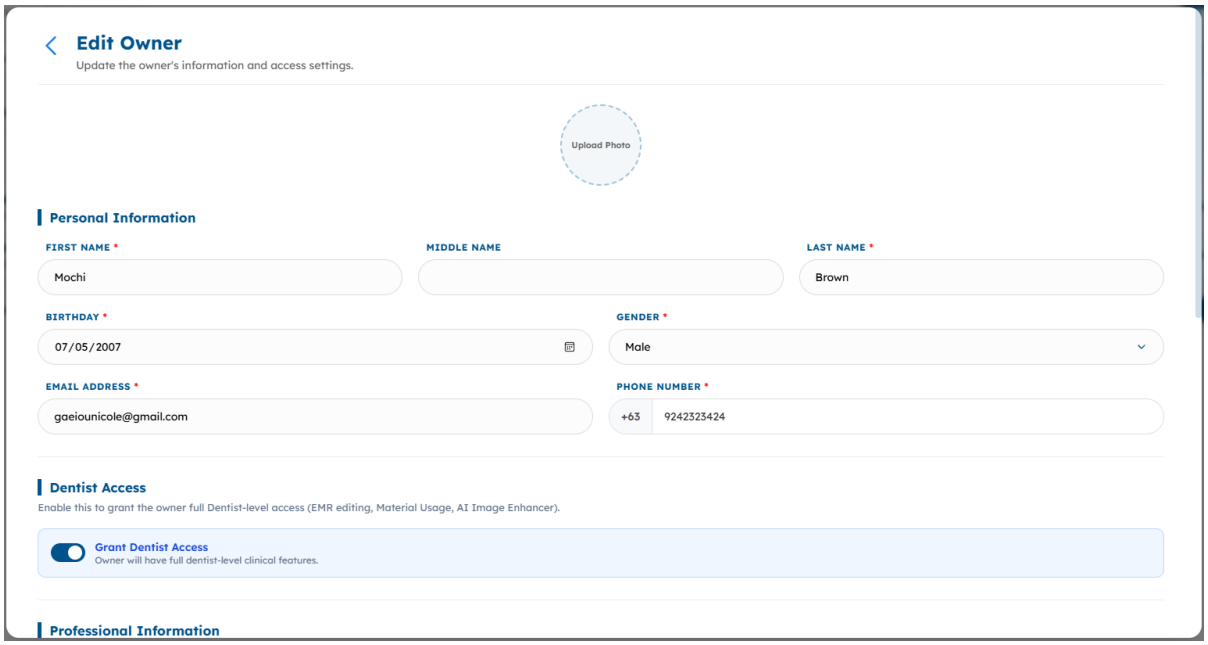


Figure 65. Edit Owner (Web)

Figures 63, 64, and 65 show owner account management. Administrators can add and edit owners, configure their clinic access, and maintain professional and contact information.

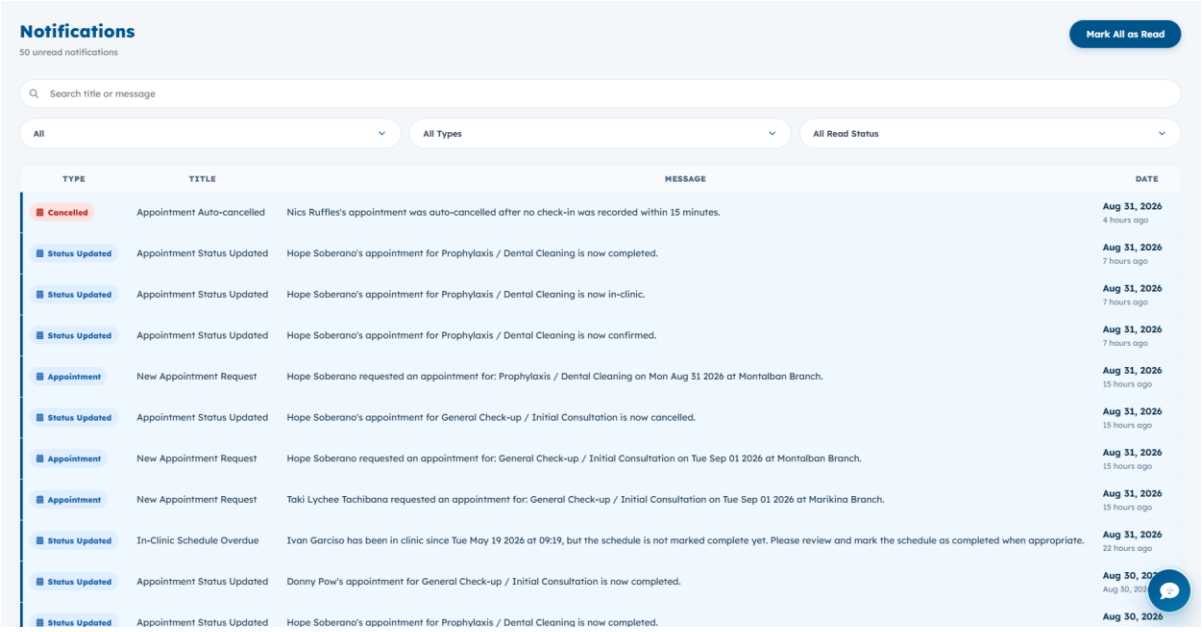


Figure 66. Notifications (Web)

Figure 67. Notification Details (Web)

Figures 66 and 67 show the notification list and an expanded notification. Users can search and filter notices, mark them as read or unread, and review the type, status, timestamp, message, and reference details.

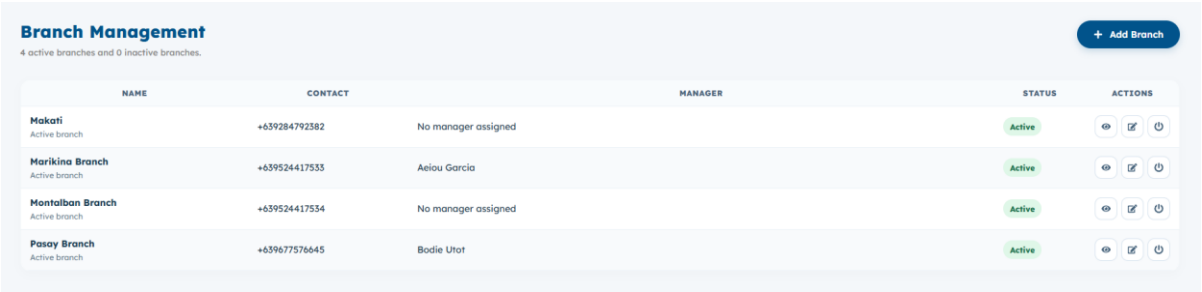


Figure 68. Branch Management (Web)

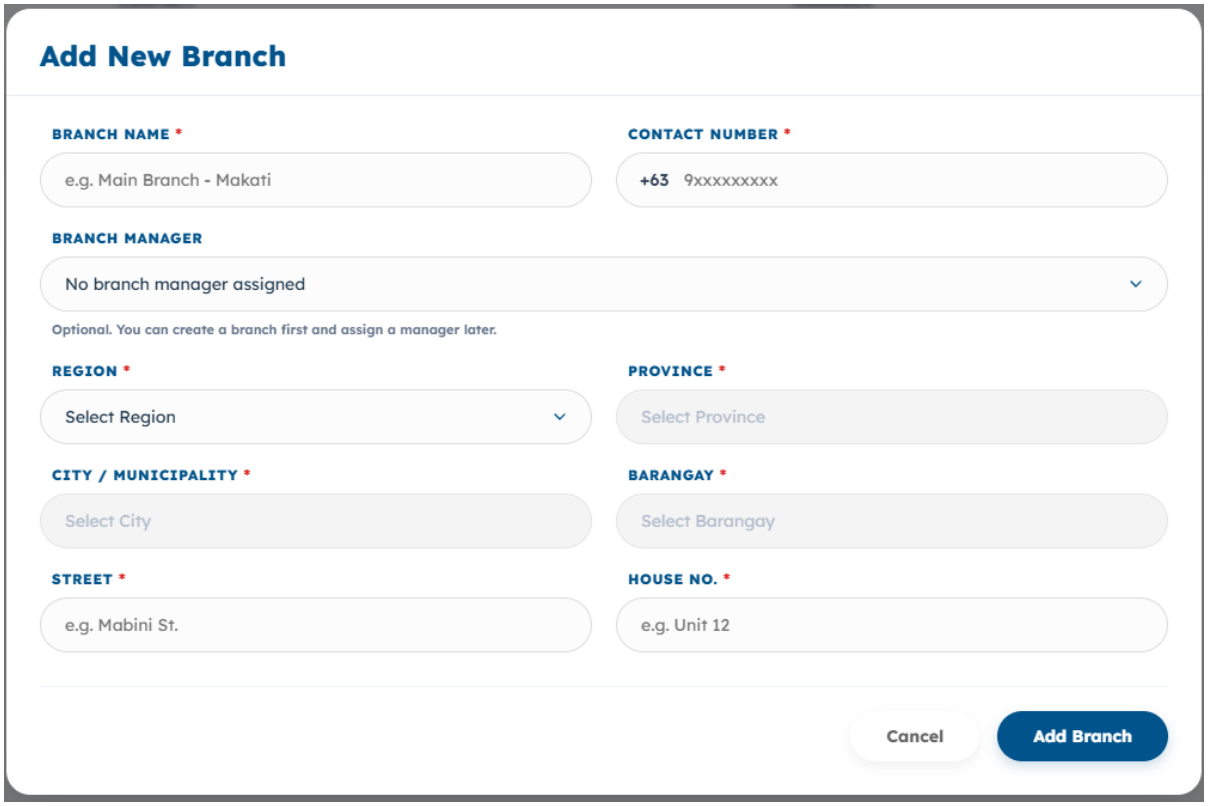


Figure 69. Add New Branch (Web)

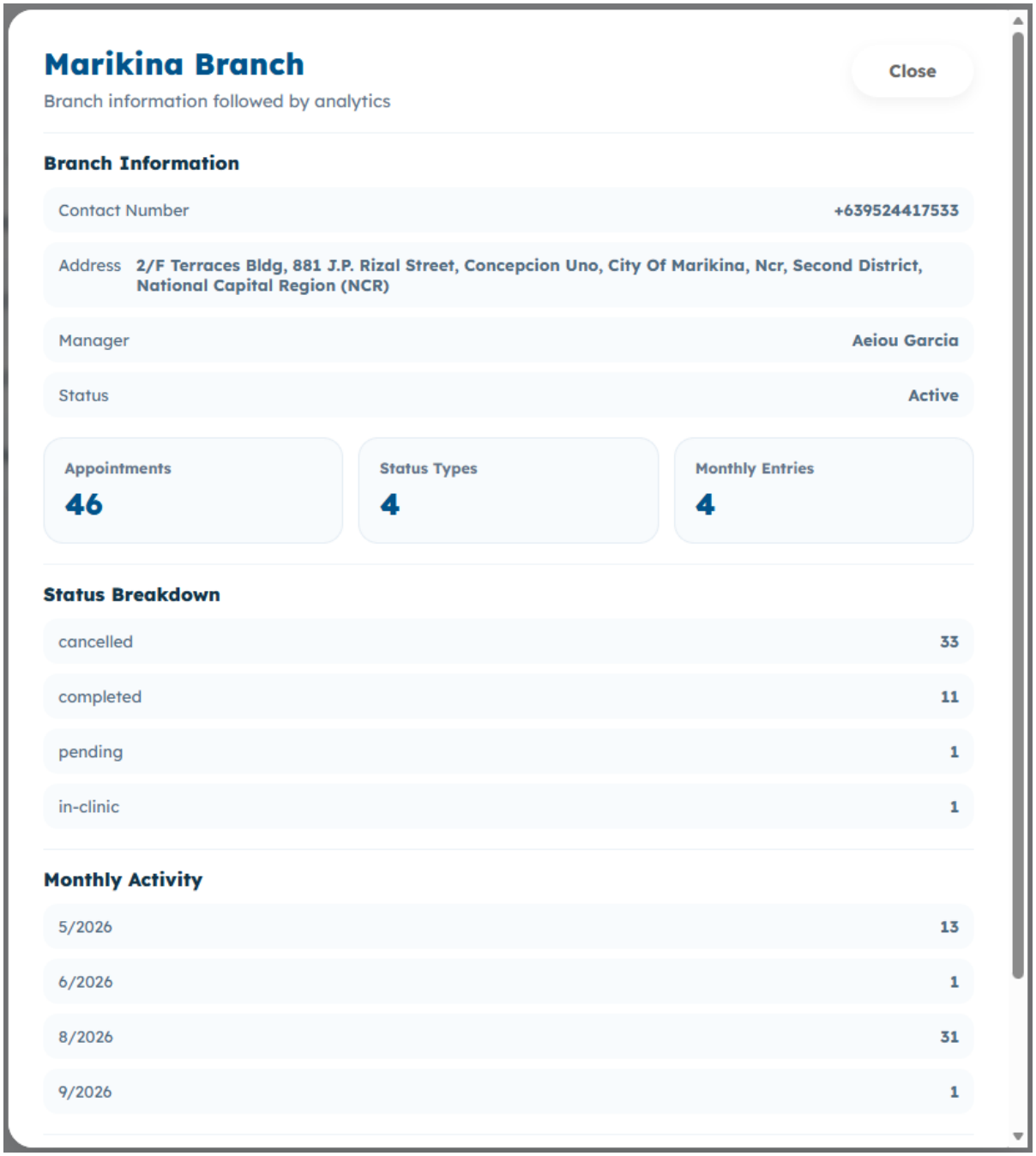


Figure 70. Branch Details (Web)

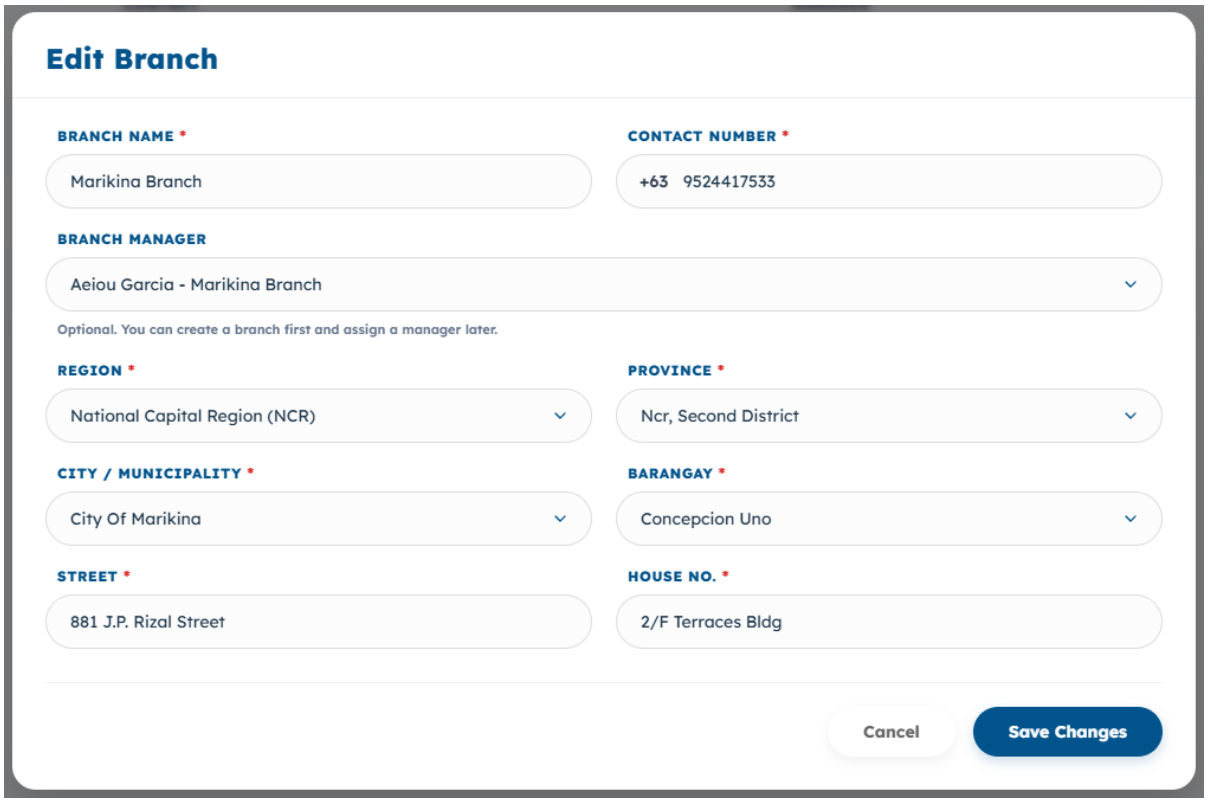


Figure 71. Edit Branch (Web)

Figures 68 through 71 show branch management. Administrators can review all branches, add a branch and its address, inspect branch statistics and activity, and update branch information or manager assignment.

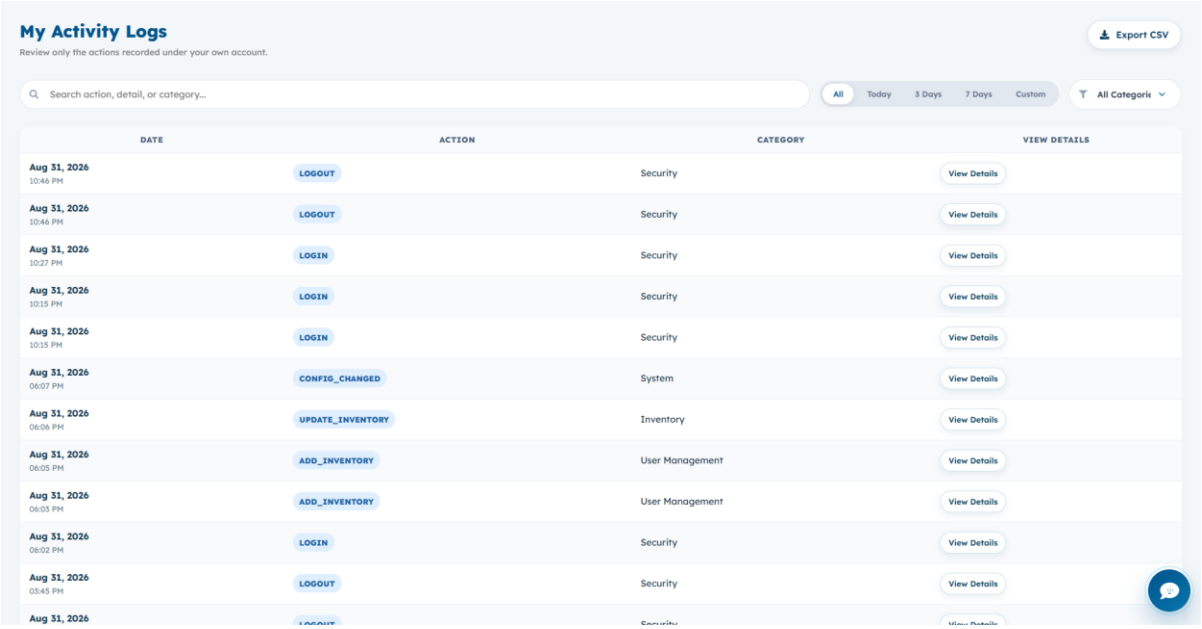


Figure 72. My Activity Logs (Web)

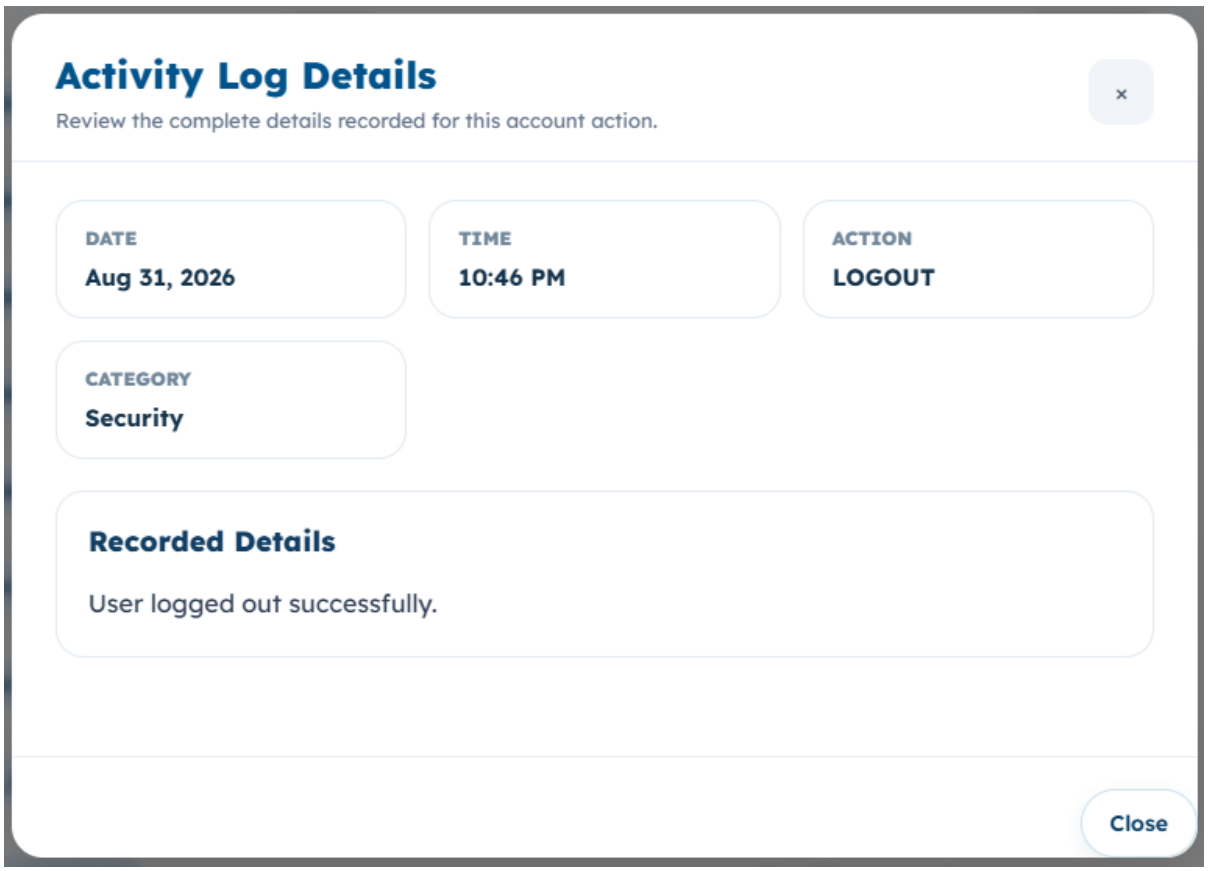


Figure 73. Activity Log Details (Web)

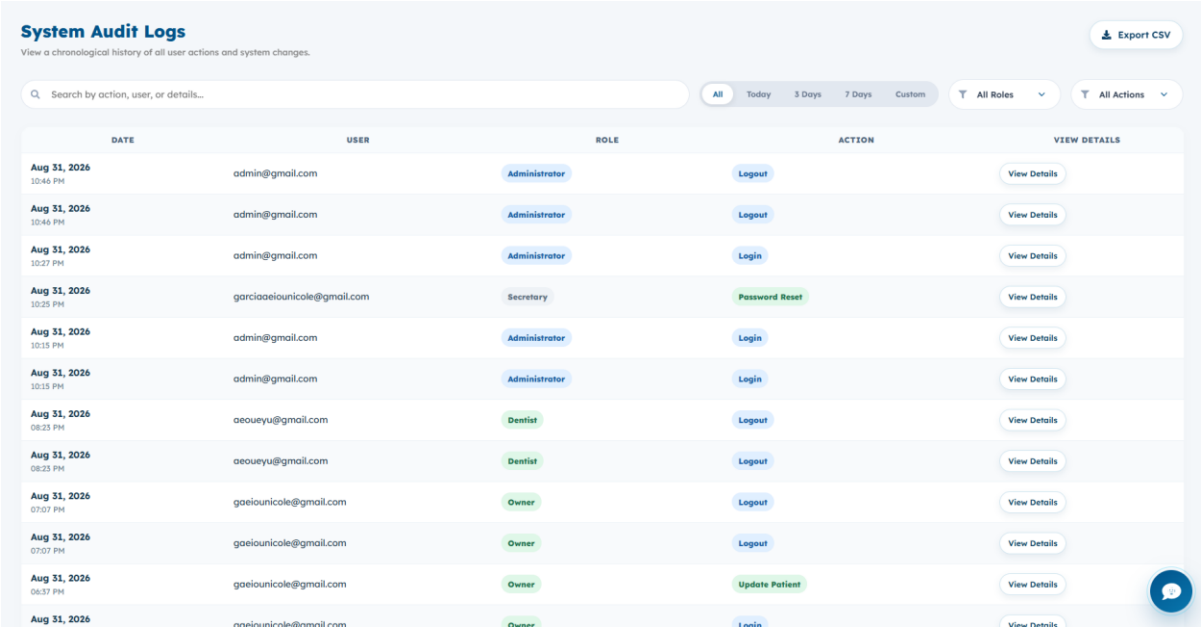


Figure 74. System Audit Logs (Web)

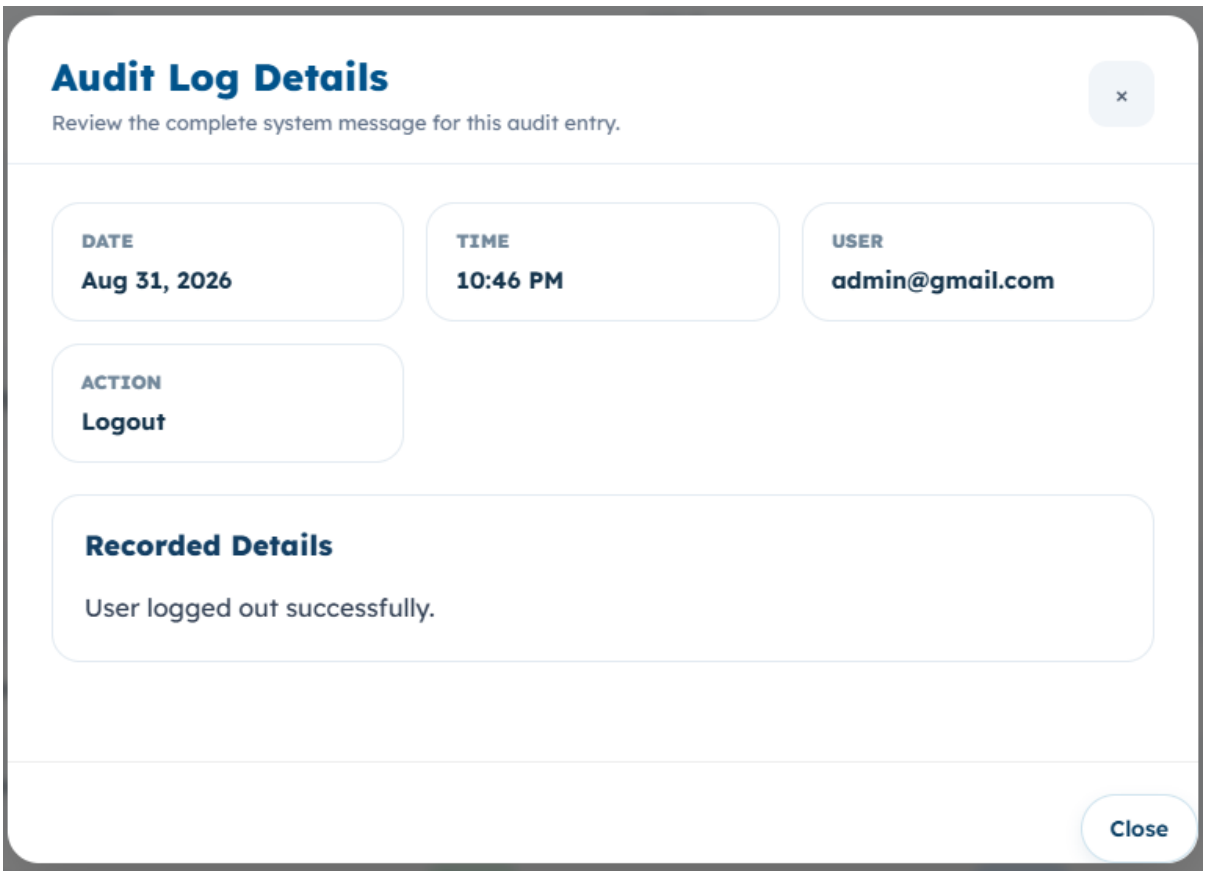


Figure 75. Audit Log Details (Web)

Figures 72 through 75 show personal activity logs and system-wide audit logs with their detail views. These records identify the date, time, user, category, action, and recorded message for accountability and security review.

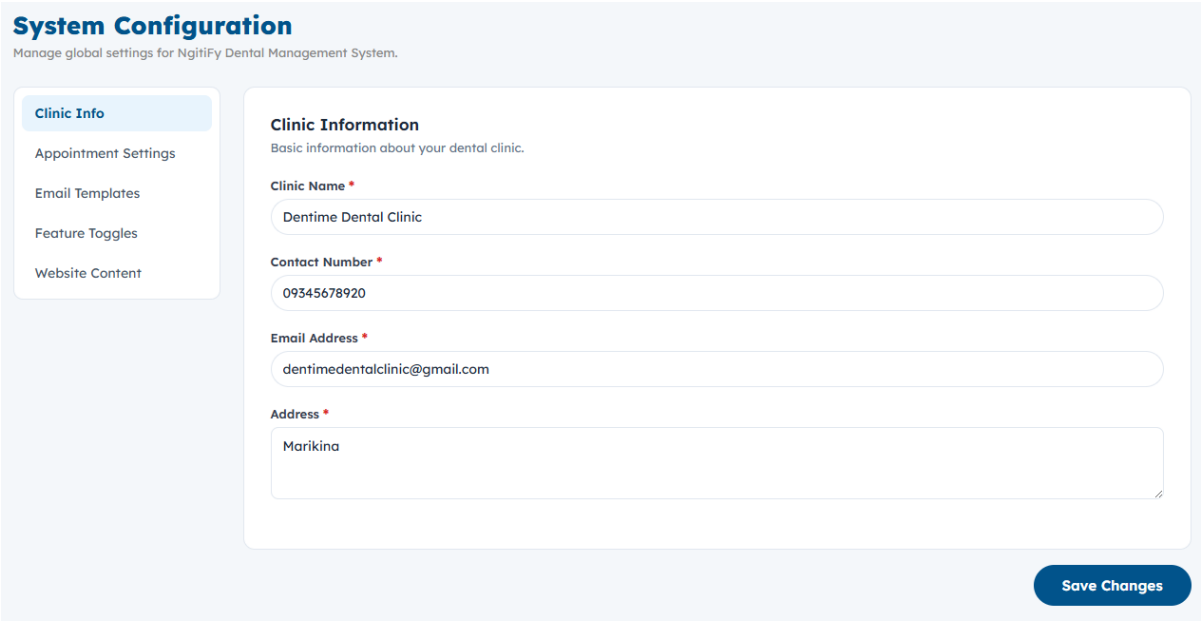


Figure 76. System Configuration - Clinic Information (Web)

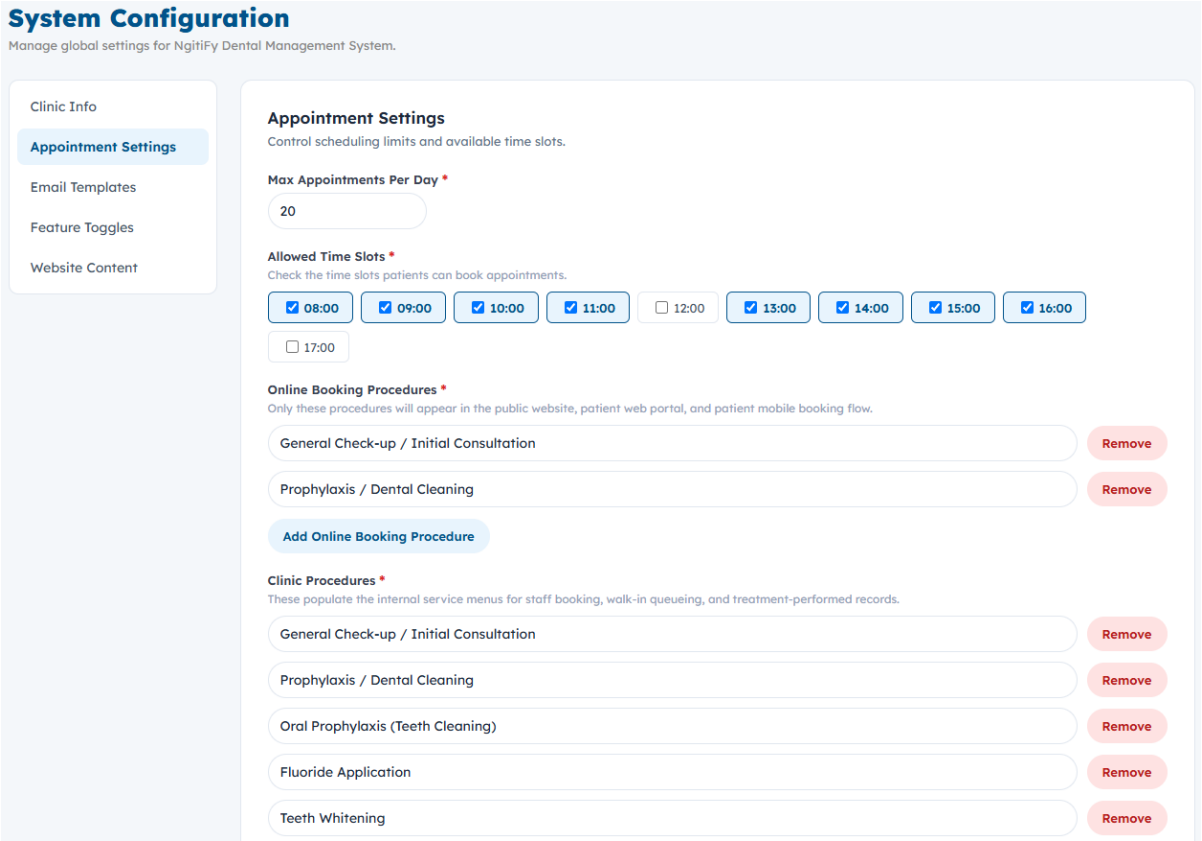


Figure 77. System Configuration - Appointment Settings (Web)

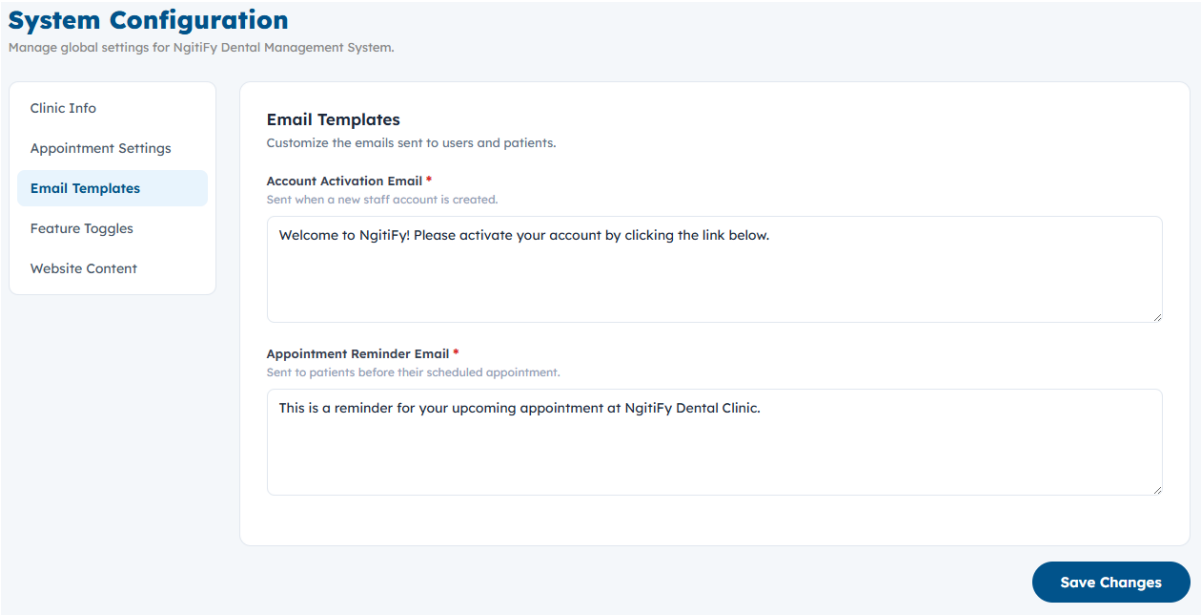


Figure 78. System Configuration - Email Templates (Web)

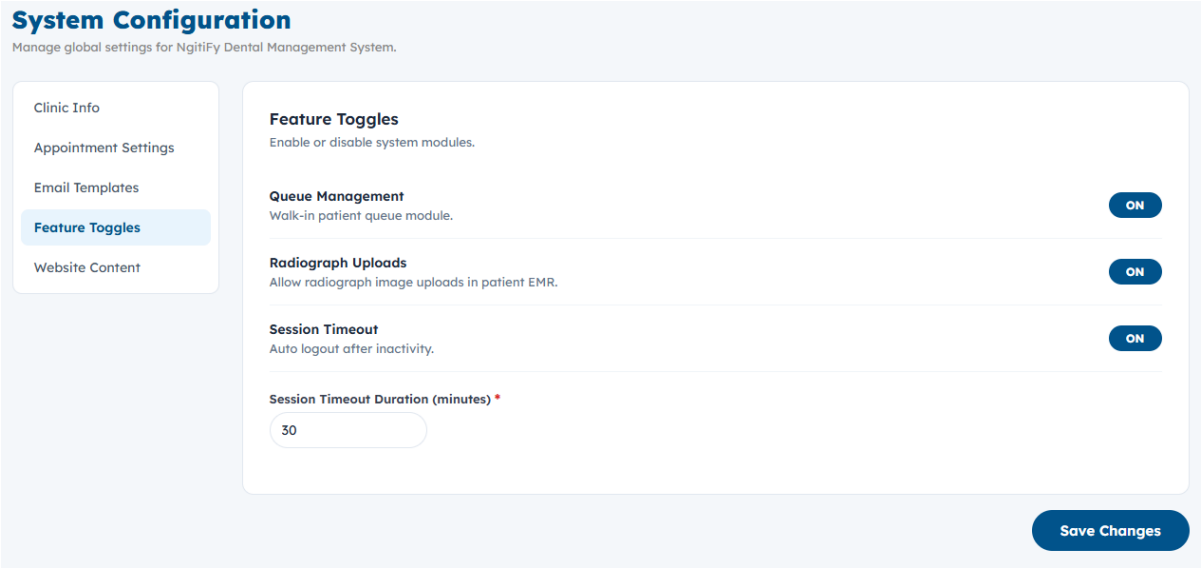


Figure 79. System Configuration - Feature Toggles (Web)

Figures 76 through 79 show system configuration for clinic information, appointment rules, email templates, and feature toggles. Administrators can maintain clinic details, booking limits and procedures, system messages, and module availability.

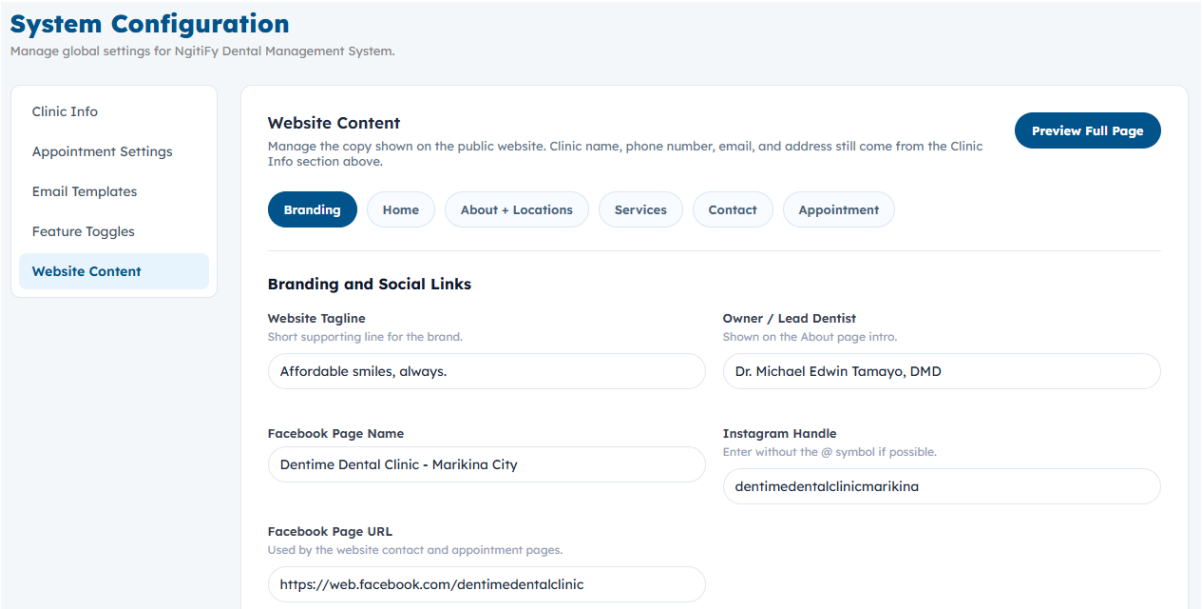


Figure 80. Website Content - Branding (Web)

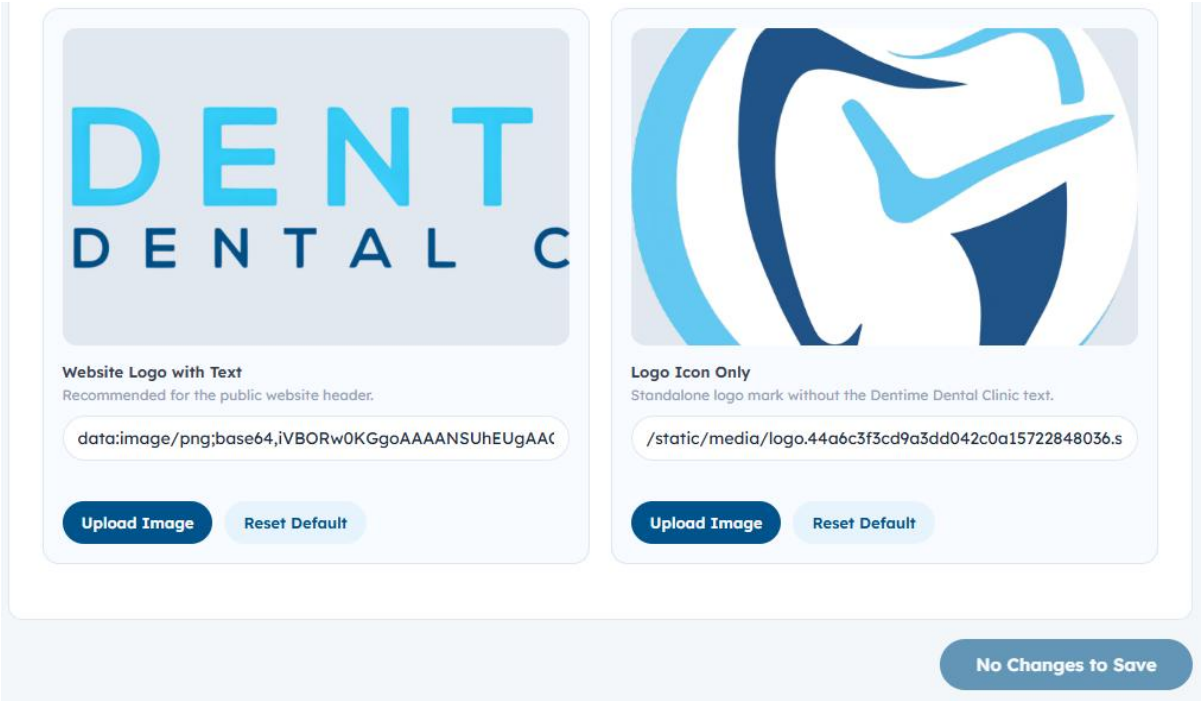


Figure 81. Website Content - Logo Settings (Web)

Figures 80 and 81 show website branding settings. Administrators can update public-facing names and social links as well as the website logo and standalone logo icon.

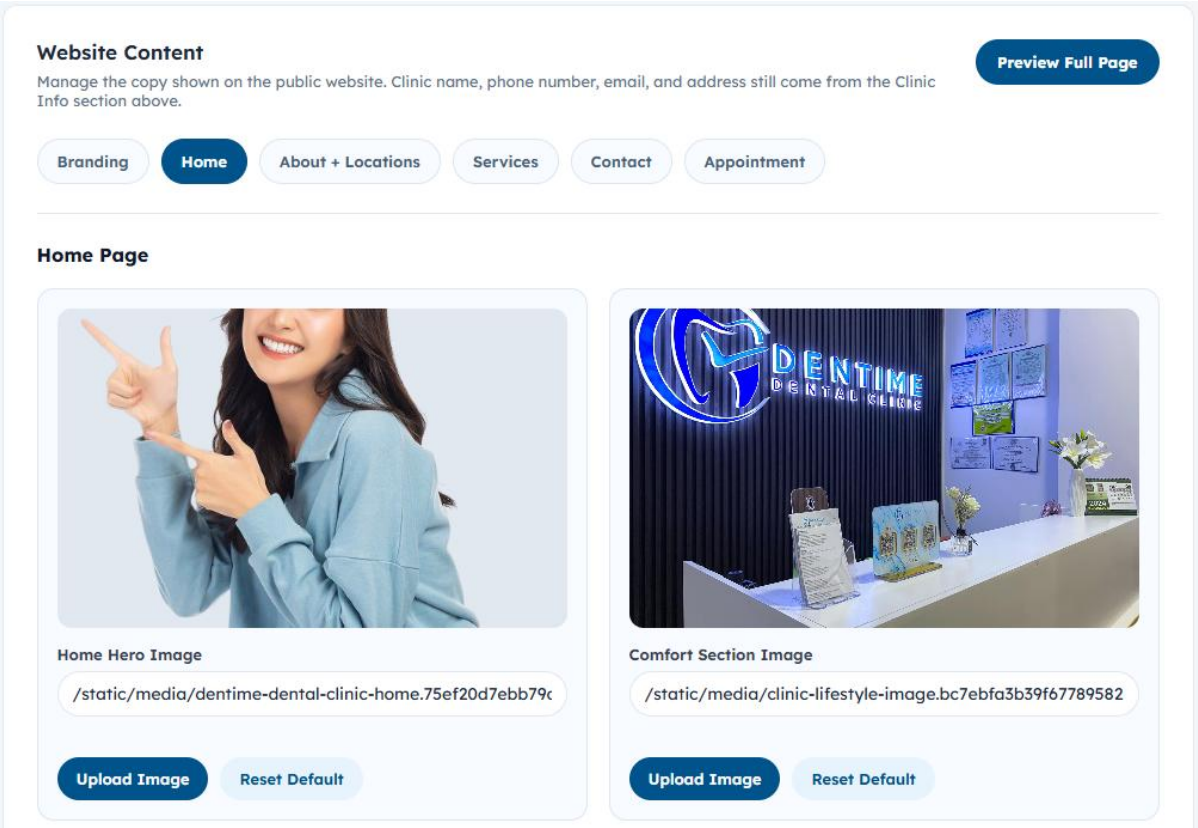


Figure 82. Website Content - Home Page 1 (Web)

Journey Section Image

/static/media/esthetics-image.ccf8ff3d9d4d82d789bd.jpg

Upload Image | Reset Default

Hero Eyebrow

Specialized Dental Care

Hero Title Line 1

Bright smiles start with

Hero Title Accent

care that feels easy to trust.

Primary CTA Label

Book an Appointment

Secondary CTA Label

View Services

Quick Visit Eyebrow

Quick Visit

Quick Visit Title

Book a consultation with ease

Quick Visit CTA Label

Consultation

Services Eyebrow

Orthodontic Services

Services Section Title

Care options designed for modern smiles

Figure 83. Website Content - Home Page 2 (Web)

Services CTA Label

Explore Services

Journey Eyebrow

Why Patients Choose Dentime

Journey Section Title

A smoother path from first inquiry to in-clinic care

Journey Card Title

Treatment support that stays clear and guided

Core Care Areas Label

Core Care Areas

Active Branches Label

Active Branches

Hero Description

Dentime Dental Clinic delivers approachable, affordable dental care for patients and families, with services ranging from routine cleaning to braces, esthetics, and oral surgery.

Comfort Description

Gentle care, clear guidance, and a calm clinic experience designed for patients and families.

Quote Text

Every smile is unique. Your treatment should feel just as personal.

Quote Meta

Approachable dental care guided by comfort, clarity, and real needs.

Editorial Mini Copy

Modern dental care shaped around comfort, precision, and easier visits.

Editorial Title

Dental care that feels clearer, calmer, and easier to trust.

Editorial Description

Dentime focuses on approachable treatment planning, friendly communication, and practical care for everyday needs, smile improvement, and more advanced dental concerns.

Core Care Areas Description

General Dentistry, Orthodontics, Esthetics, and Oral Surgery.

Figure 84. Website Content - Home Page 3 (Web)

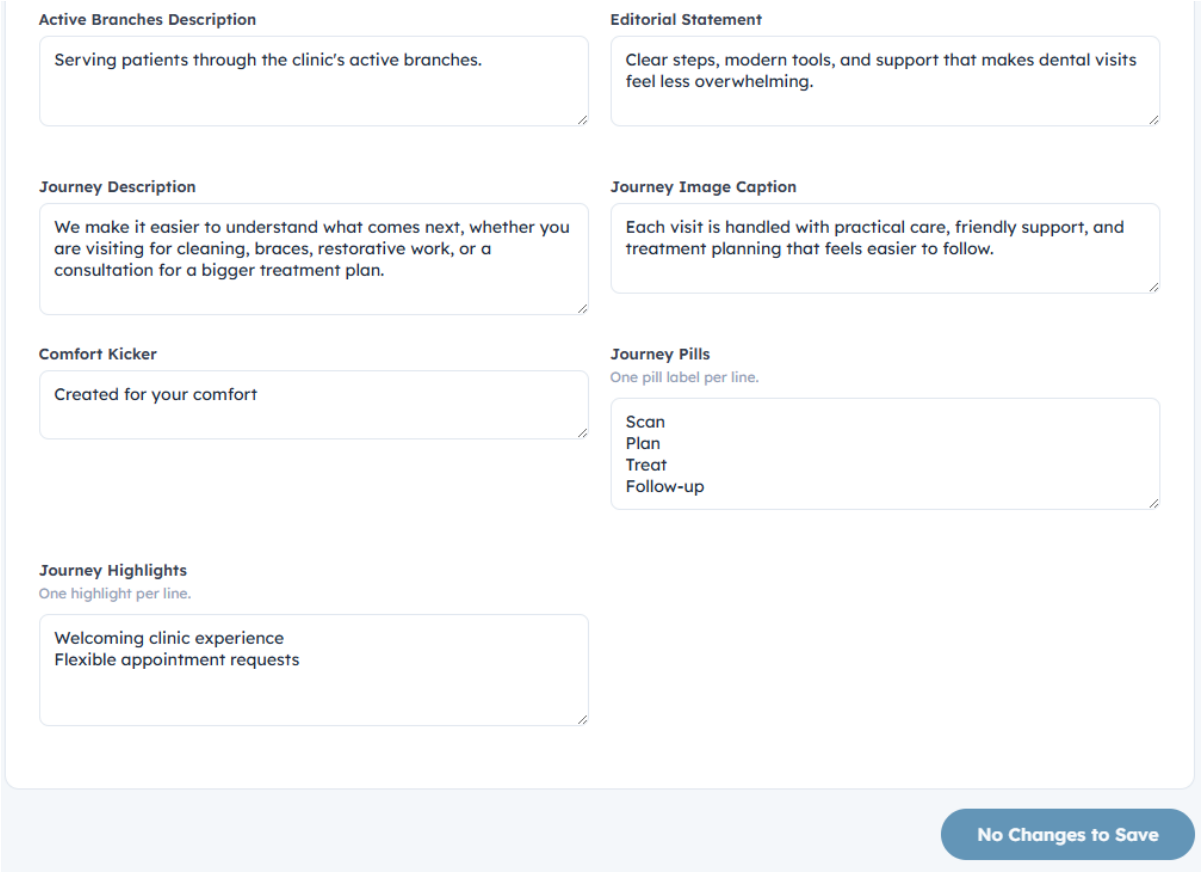


Figure 85. Website Content - Home Page 4 (Web)

Figures 82 through 85 show the configurable content of the public home page. Administrators can manage hero and comfort images, headings, call-to-action labels, service copy, journey content, highlights, and related home-page text.

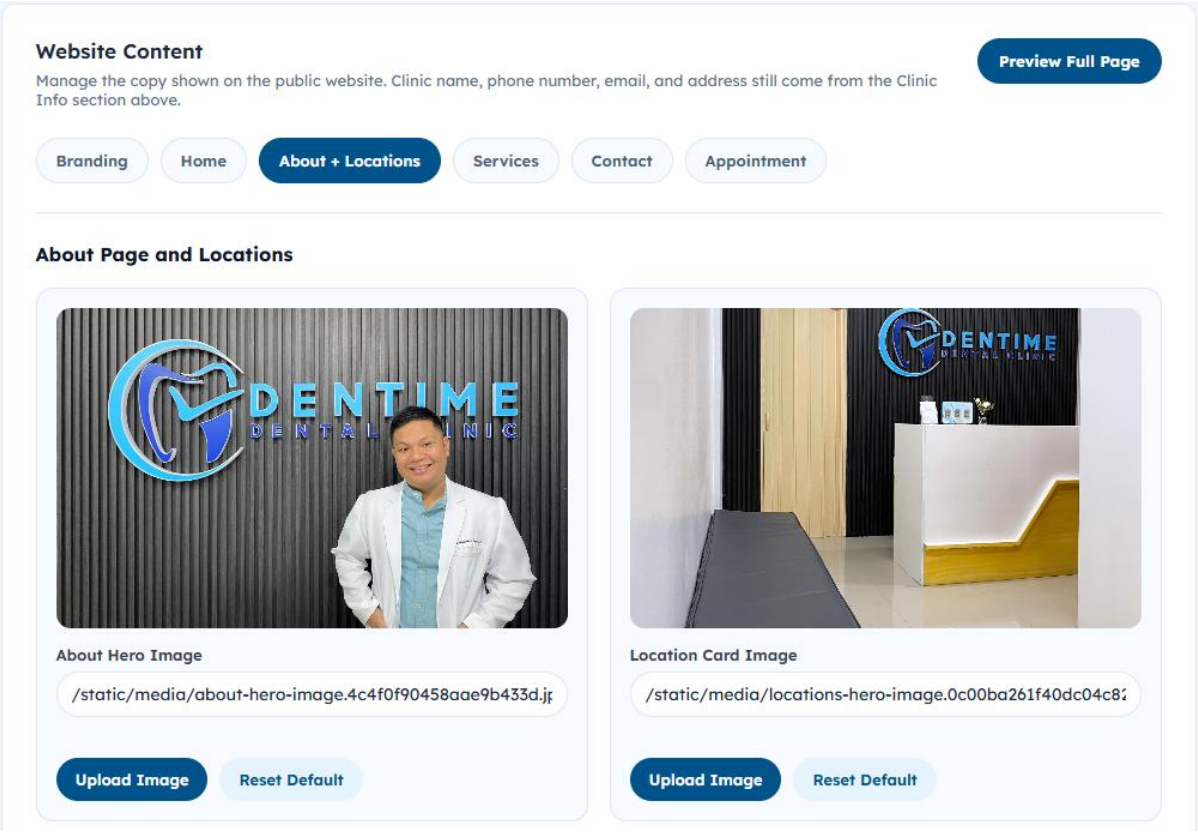


Figure 86. Website Content - About and Locations 1 (Web)

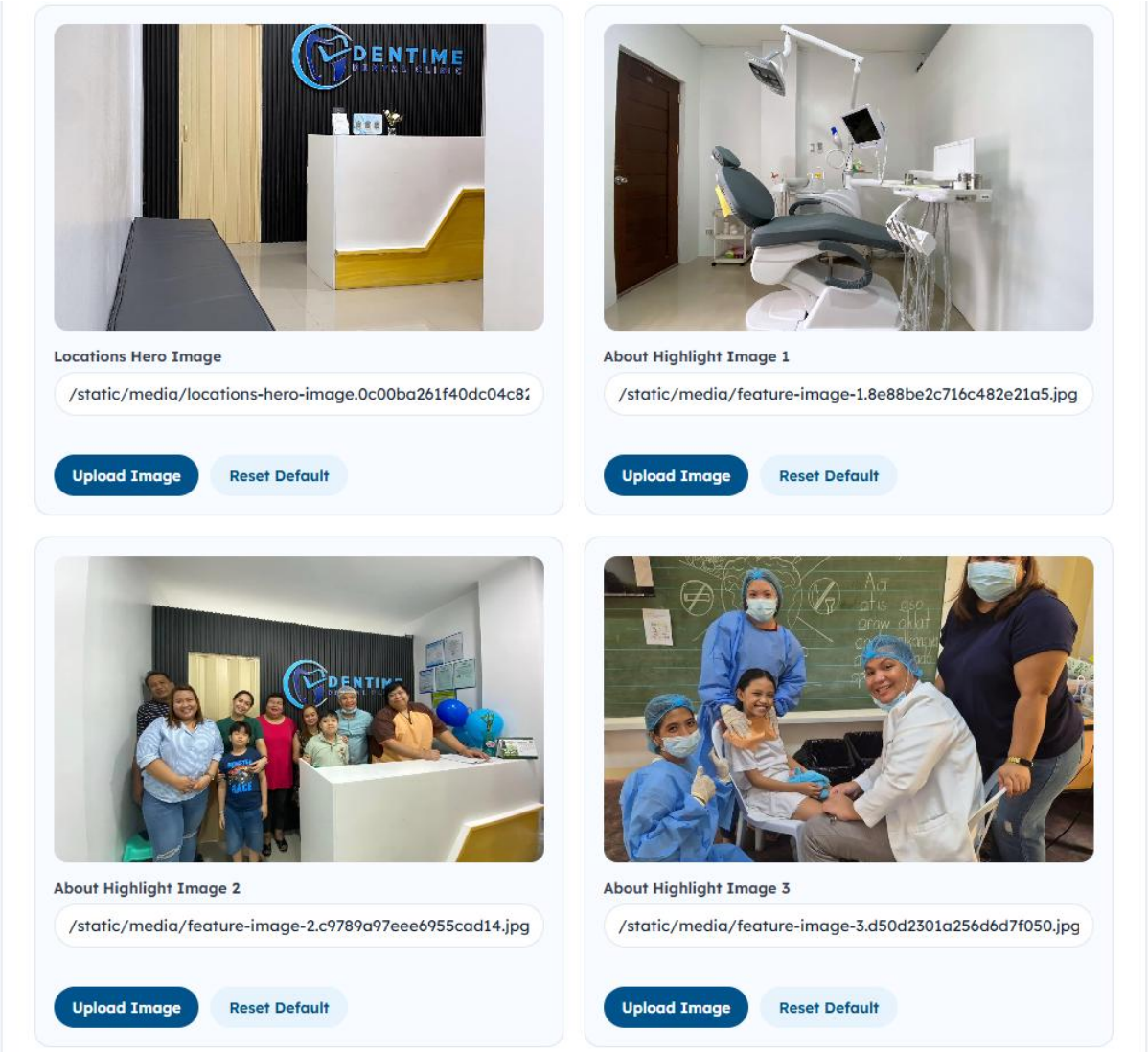


Figure 87. Website Content - About and Locations 2 (Web)

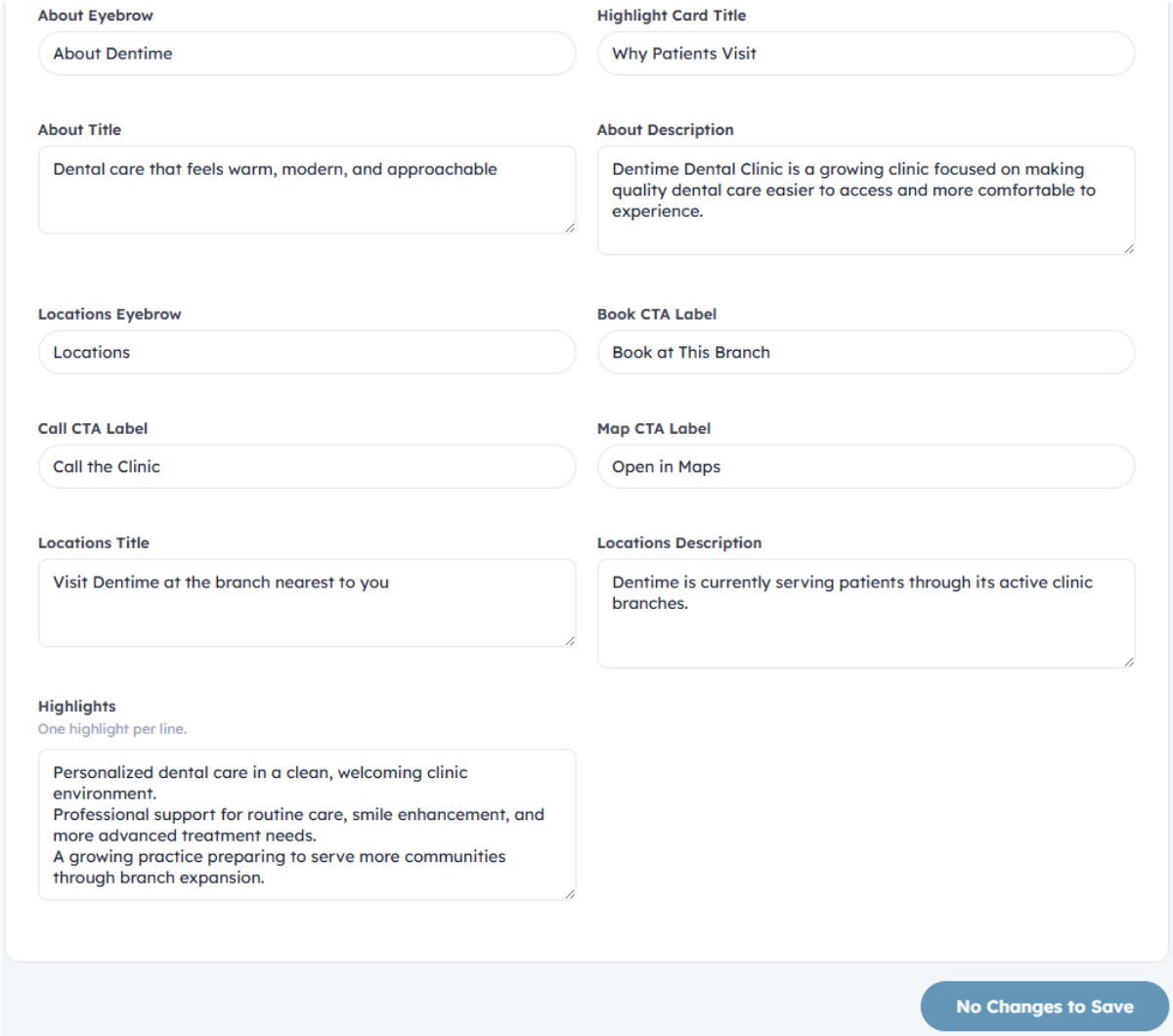


Figure 88. Website Content - About and Locations 3 (Web)

Figures 86, 87, and 88 show the configurable About and Locations content. These settings control the page imagery, location highlights, titles, descriptions, calls to action, and supporting clinic information.

Website Content

Manage the copy shown on the public website. Clinic name, phone number, email, and address still come from the Clinic Info section above.

Preview Full Page

Branding | Home | About + Locations | Services | Contact | Appointment

Services Page

Services Hero Image

/static/media/services-hero-image.610cf38a5fc2af1b8aea.

Upload Image | Reset Default

Eyebrow

Services

Title

Comprehensive dental services for everyday care and long-term smile support.

Description

Dentime Dental Clinic offers a focused set of dental services across General Dentistry, Orthodontics, Esthetics, and Oral Surgery.

Figure 89. Website Content - Services 1 (Web)

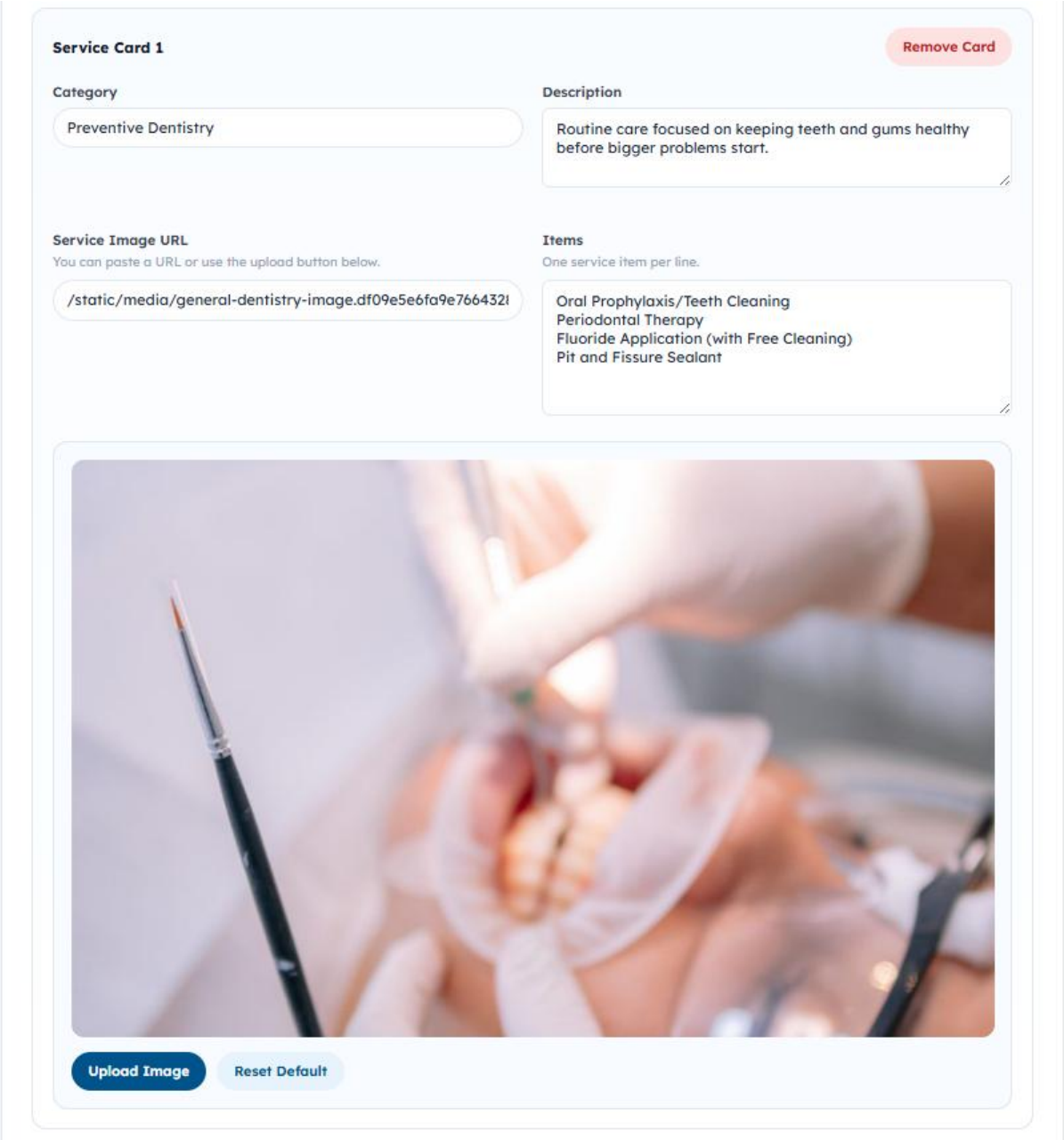


Figure 90. Website Content - Services 2 (Web)

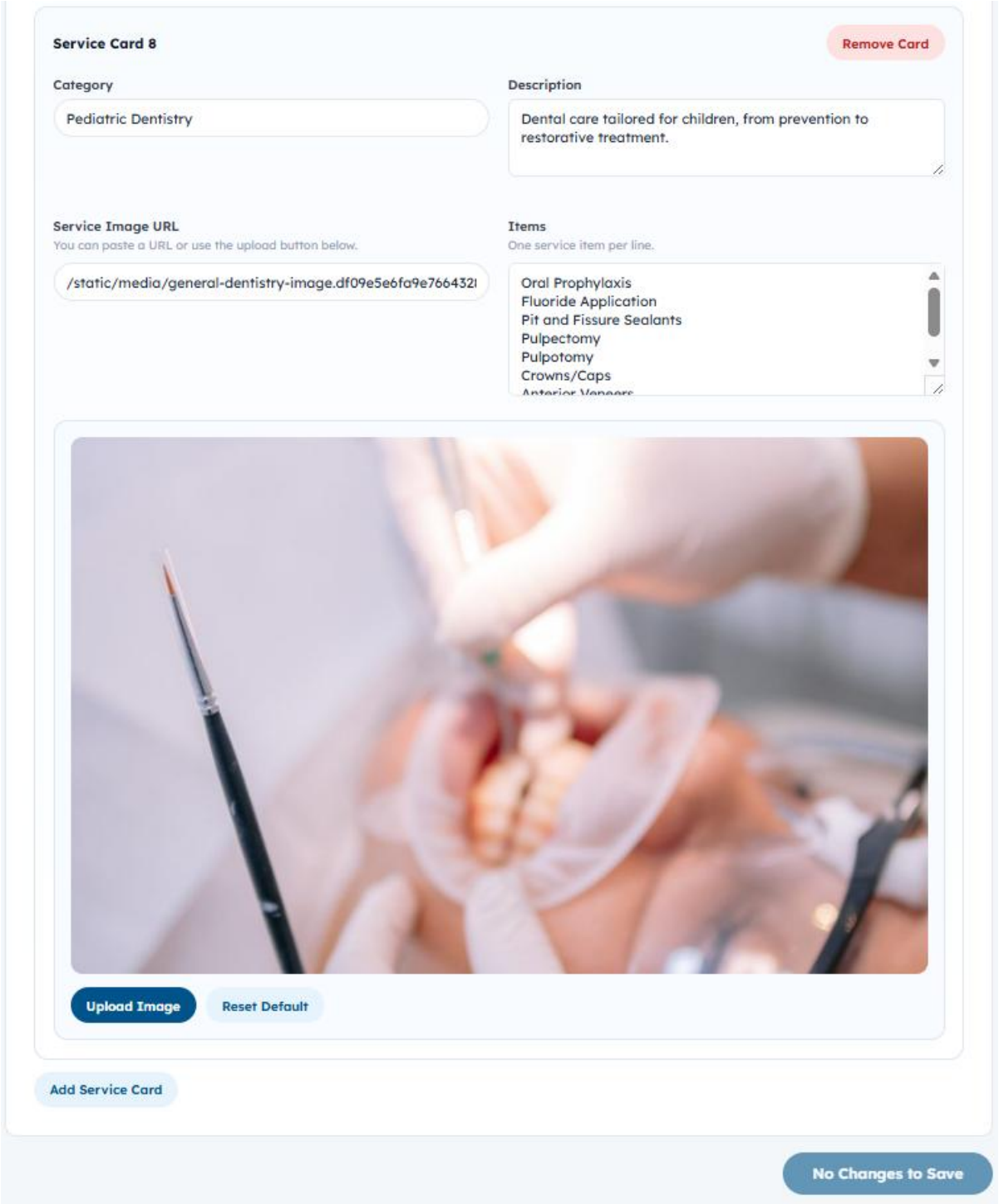


Figure 91. Website Content - Services 3 (Web)

Figures 89, 90, and 91 show the configurable Services page. Administrators can manage the page image and descriptive content and add or remove individual service cards with their category, image, procedures, title, and description.

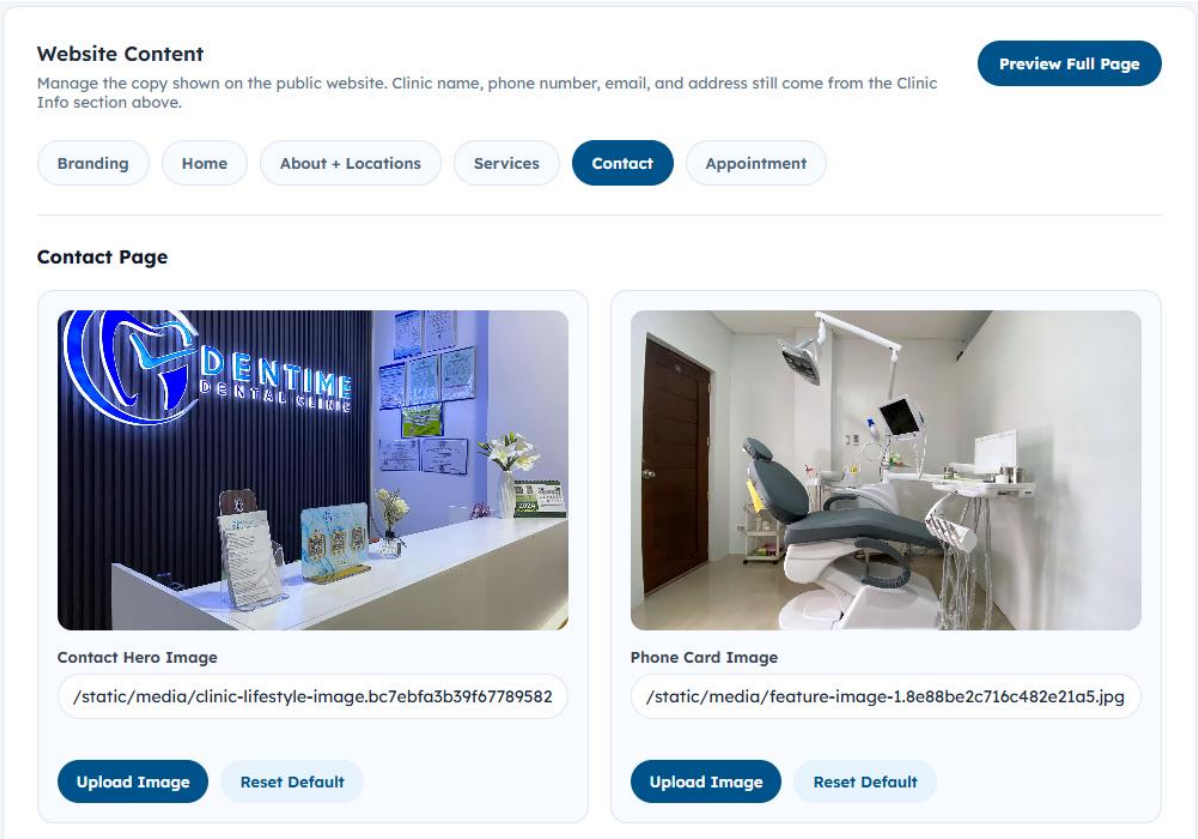


Figure 92. Website Content - Contact 1 (Web)

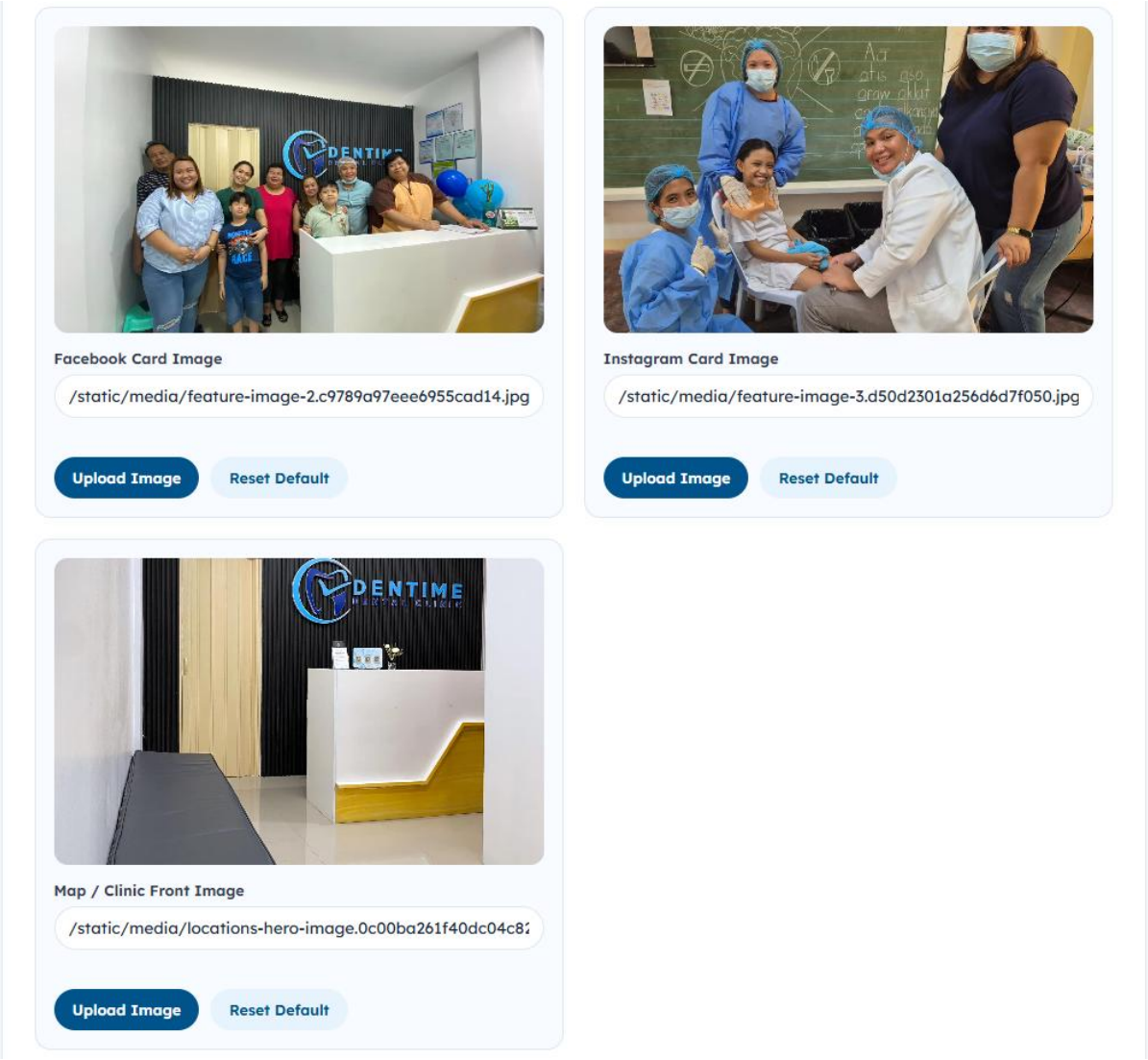


Figure 93. Website Content - Contact 2 (Web)

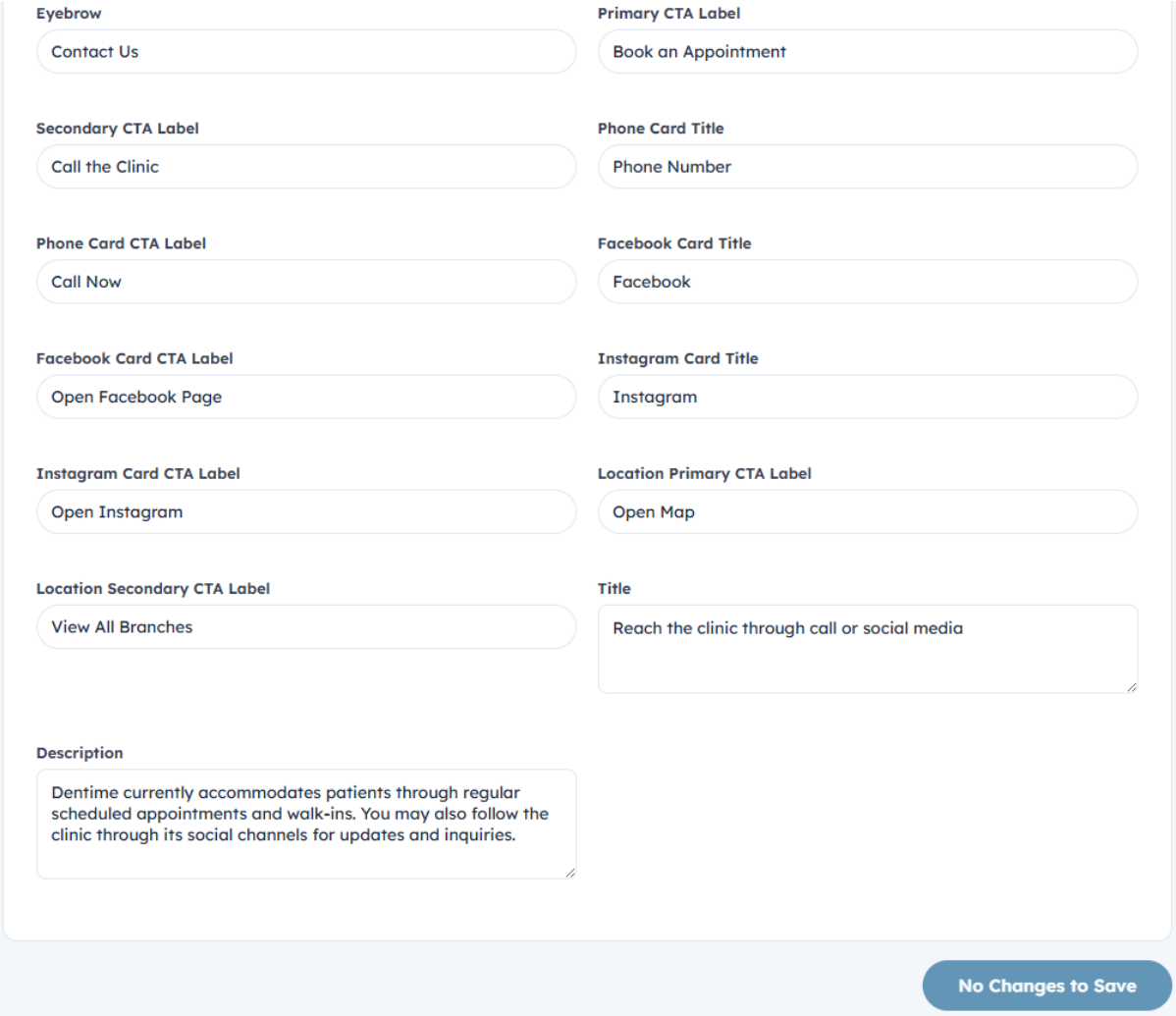


Figure 94. Website Content - Contact 3 (Web)

Figures 92, 93, and 94 show the configurable Contact page. The settings manage contact imagery, social and map images, call-to-action labels, contact titles, form labels, and the page description.

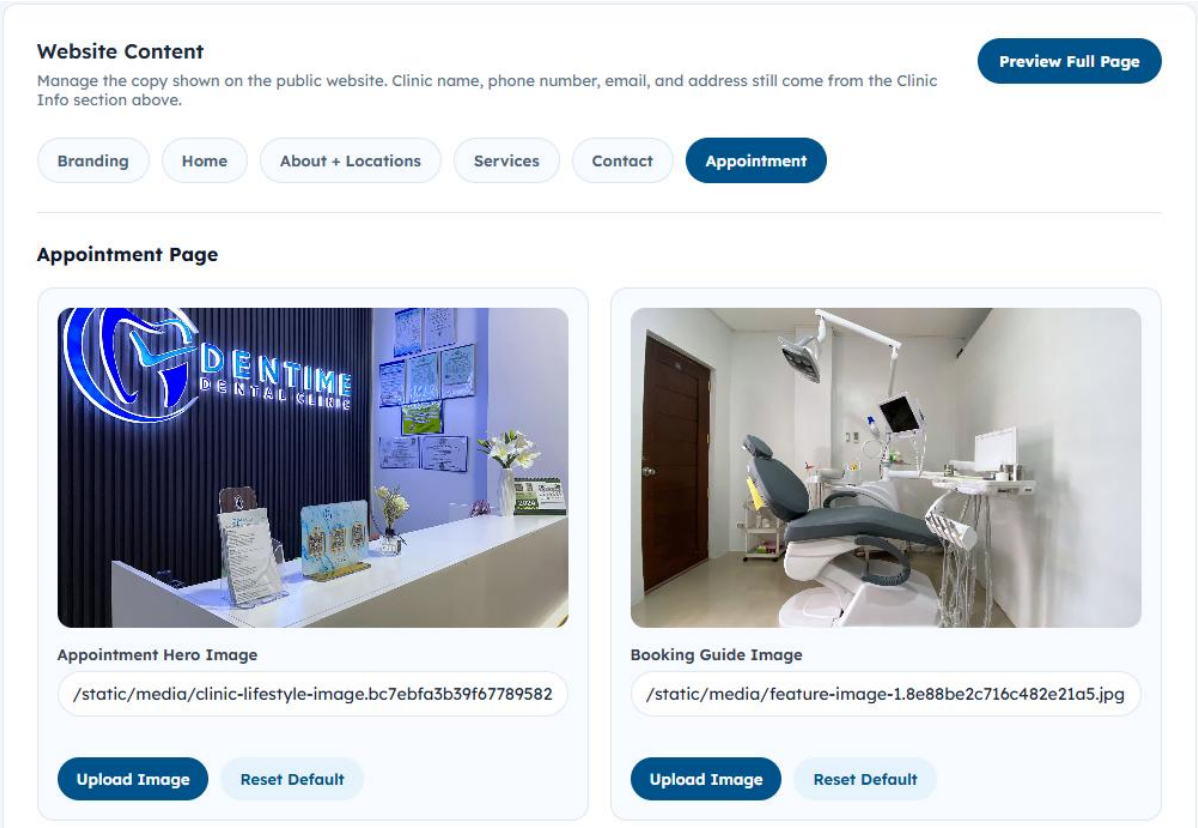


Figure 95. Website Content - Appointment 1 (Web)

Appointment Branch Image

/static/media/locations-hero-image.0c00ba261f40dc04c8

Upload Image | Reset Default

Hero Eyebrow: Appointment

Facebook CTA Label: Message on Facebook

Call CTA Label: Call the Clinic

Form Eyebrow: Request Form

Form Title: Book with Dentime

Submit Button Label: Send Appointment Request

Submitting Button Label: Sending Request...

Guide Eyebrow: How It Works

Guide Title: Guest appointment guide

Branch Eyebrow: Choose a Branch

Figure 96. Website Content - Appointment 2 (Web)

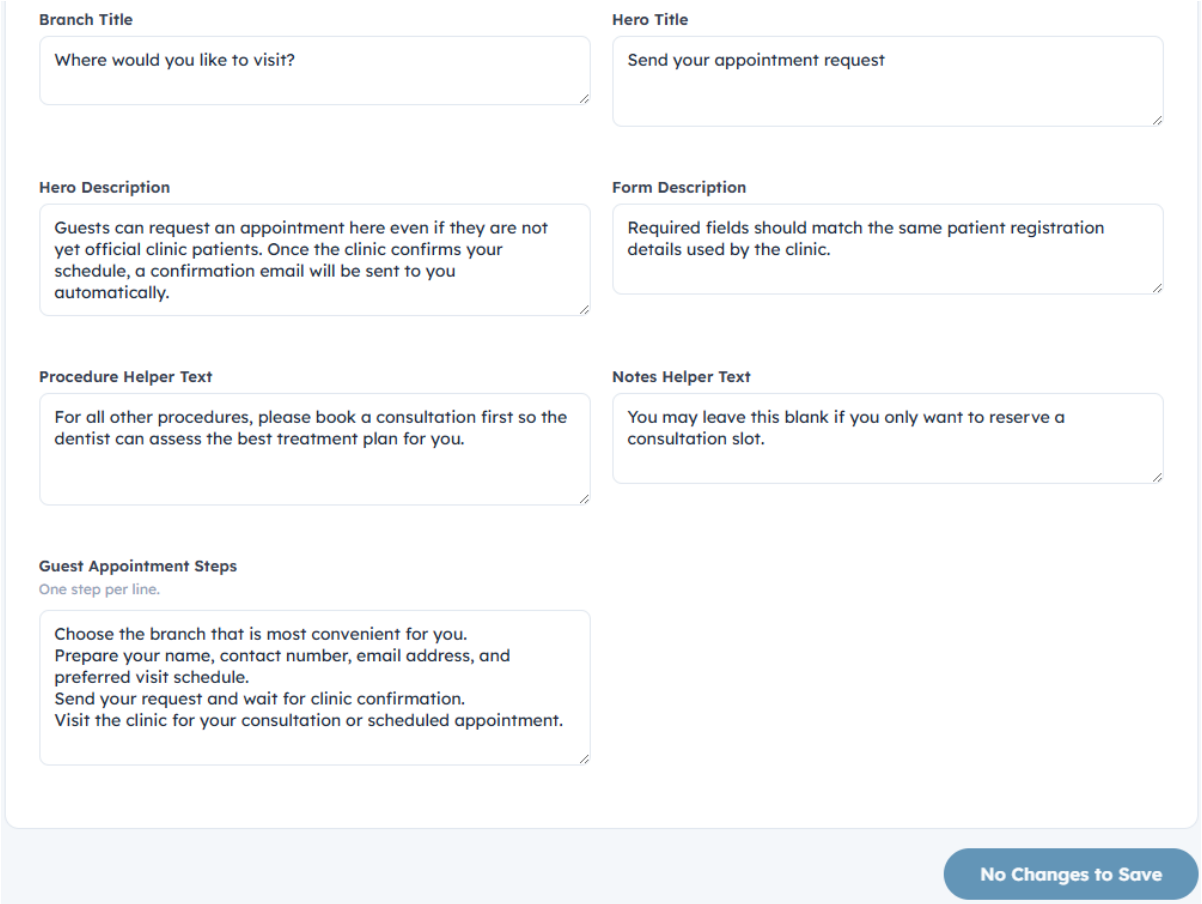


Figure 97. Website Content - Appointment 3 (Web)

Figures 95, 96, and 97 show the configurable Appointment page. Administrators can set appointment imagery, labels, guidance text, form wording, branch choices, and guest-booking instructions.

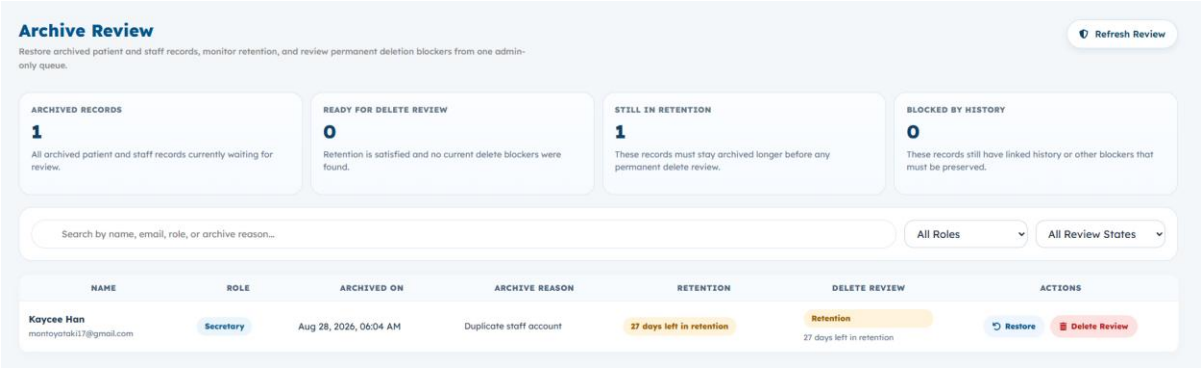


Figure 98. Archive Review (Web)

Figure 98 shows the archive review page, where authorized users can search archived records, filter them by role or review status, inspect the archive reason, and restore eligible accounts.

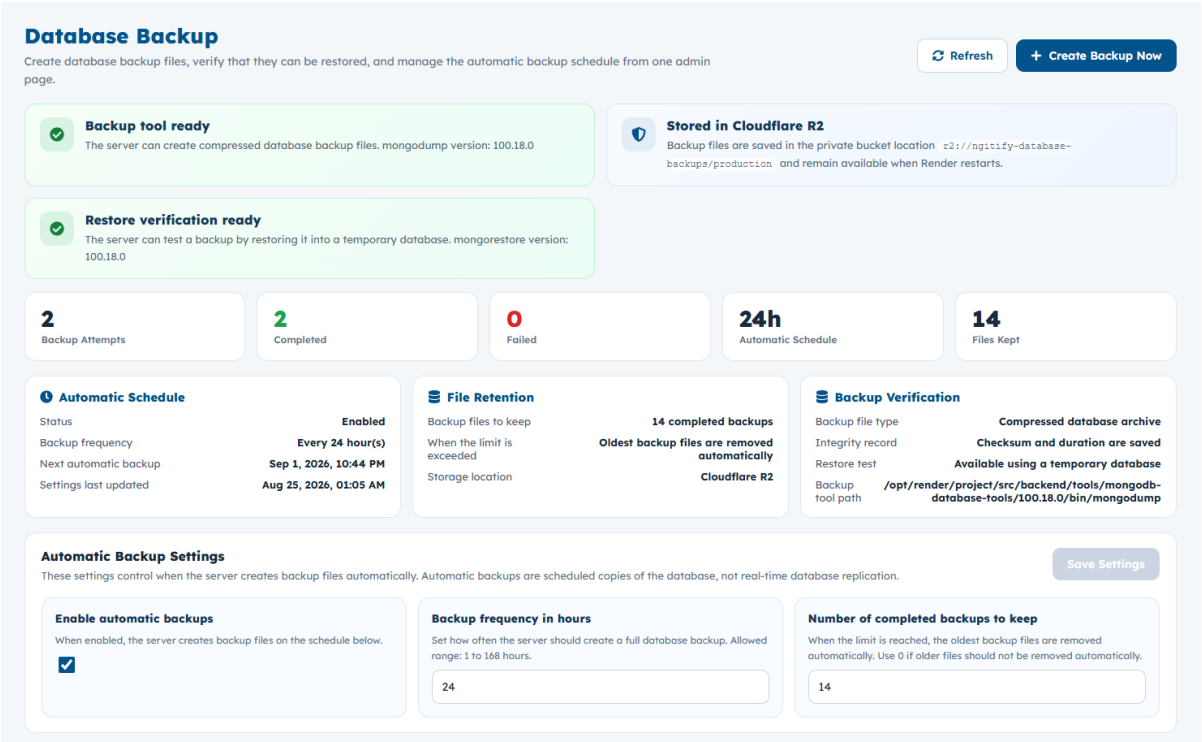


Figure 99. Database Backup (Web)

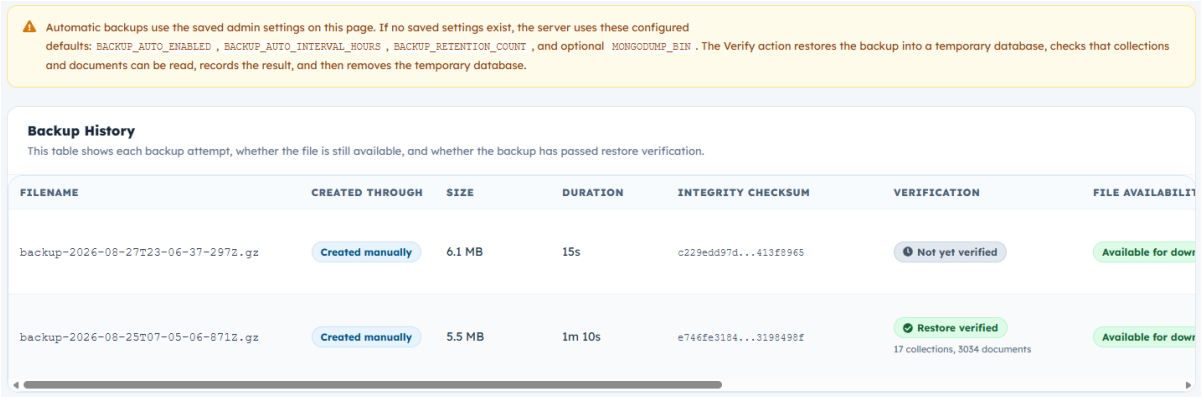


Figure 100. Database Backup History (Web)

Figures 99 and 100 show database backup status, automated scheduling, retention settings, verification information, and backup history. Administrators can create, verify, restore, and monitor protected system backups.

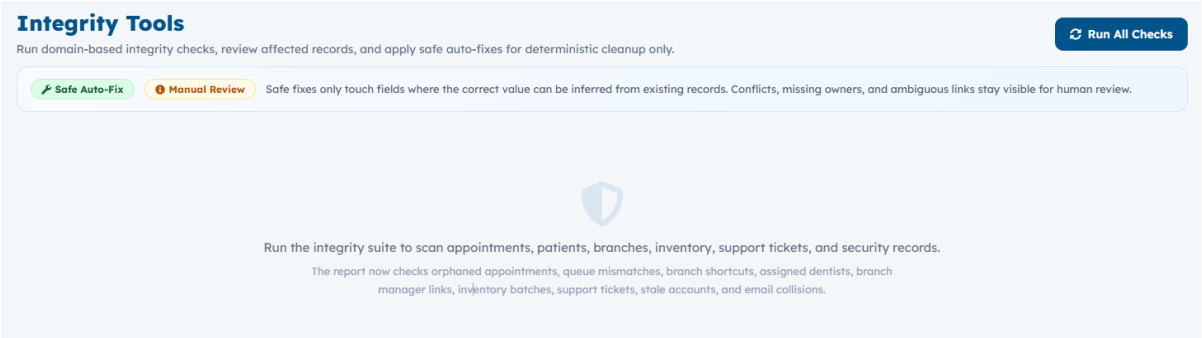


Figure 101. Integrity Tools 1 (Web)

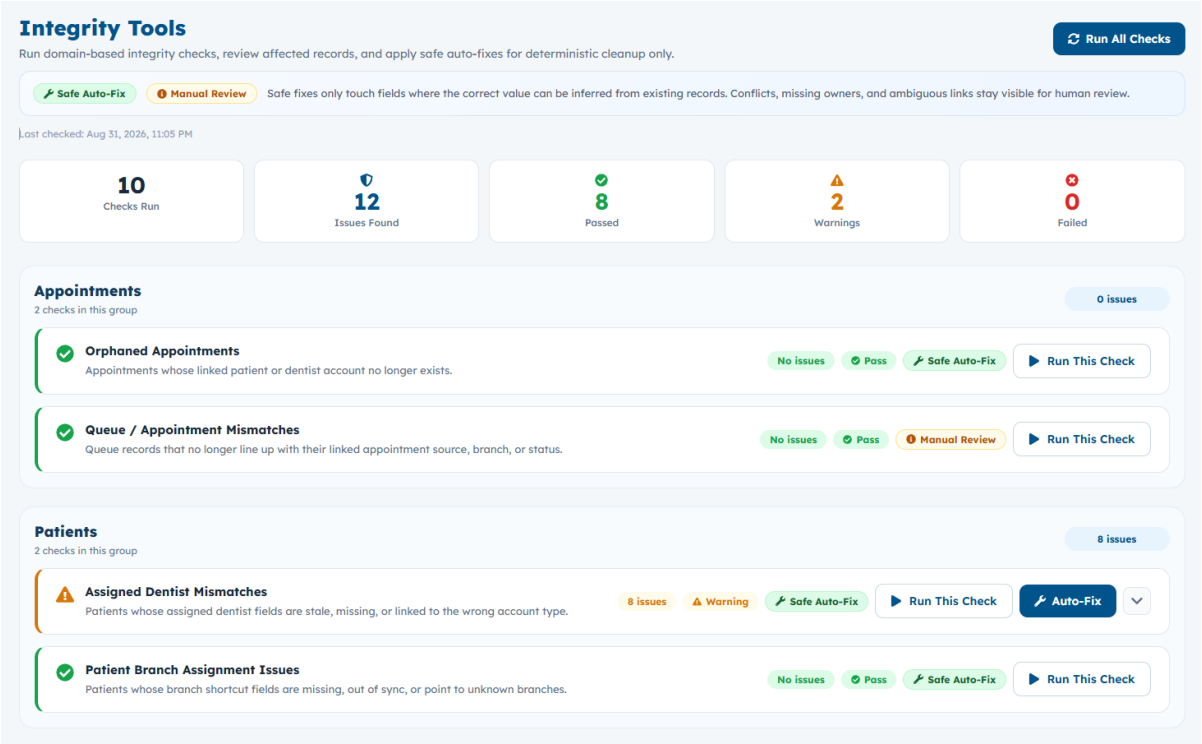


Figure 102. Integrity Tools 2 (Web)

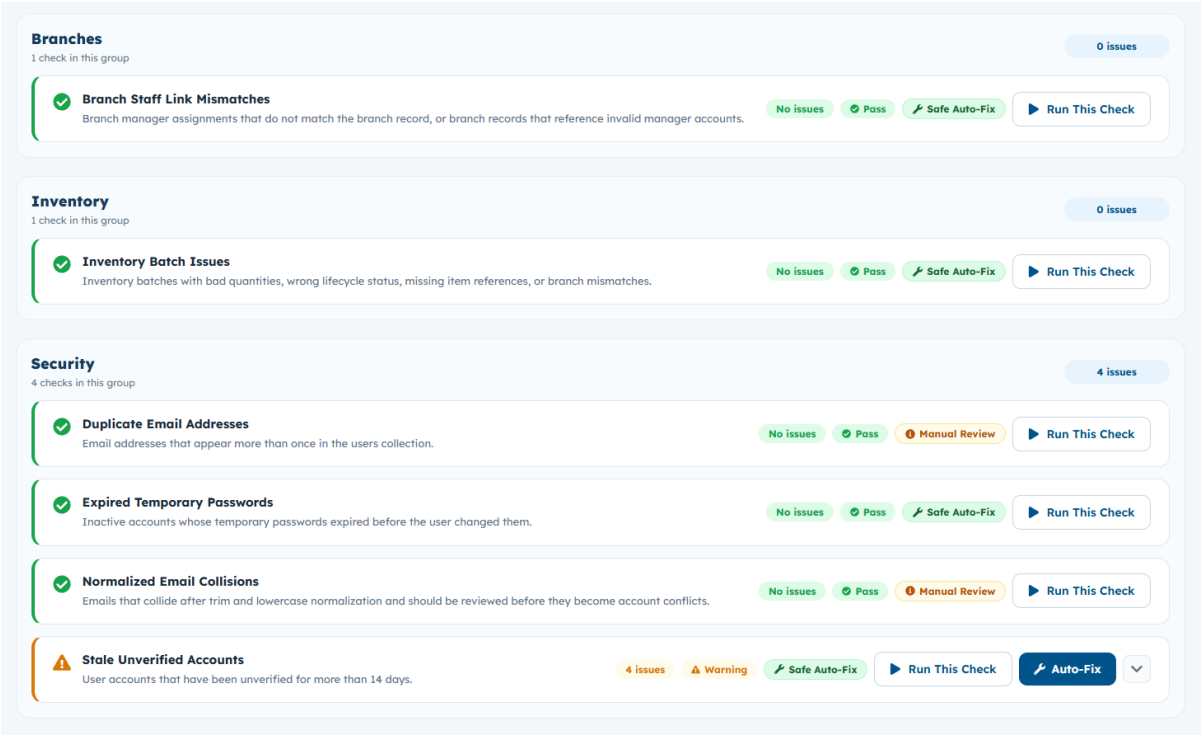


Figure 103. Integrity Tools 3 (Web)

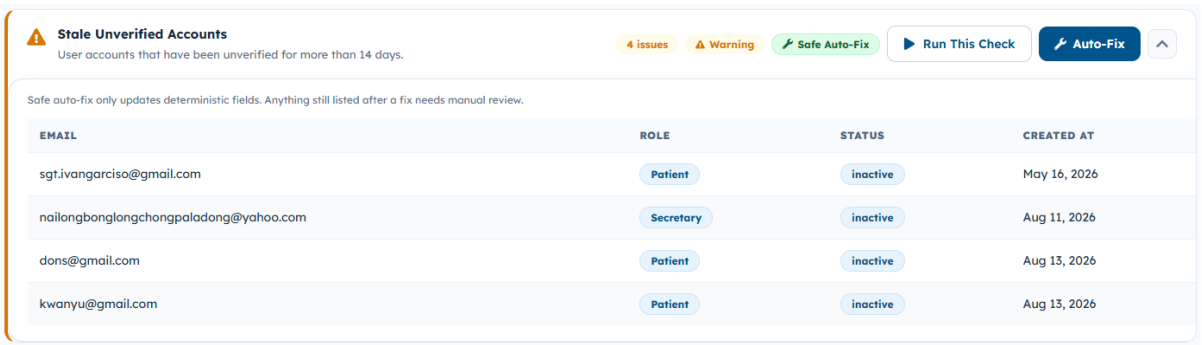


Figure 104. Integrity Tools - Stale Unverified Accounts (Web)

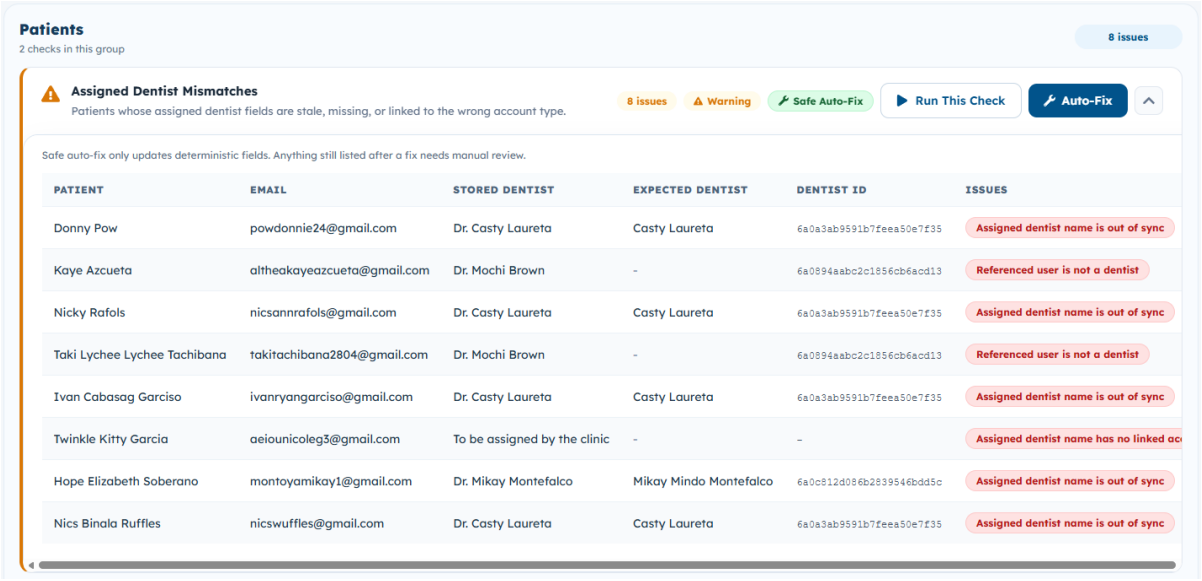


Figure 105. Integrity Tools - Assigned Dentist Mismatches (Web)

Figures 101 through 105 show system integrity checks and detailed issue lists. The tools scan appointments, branches, inventory, security records, and patient assignments, then allow authorized users to review warnings and apply supported fixes.

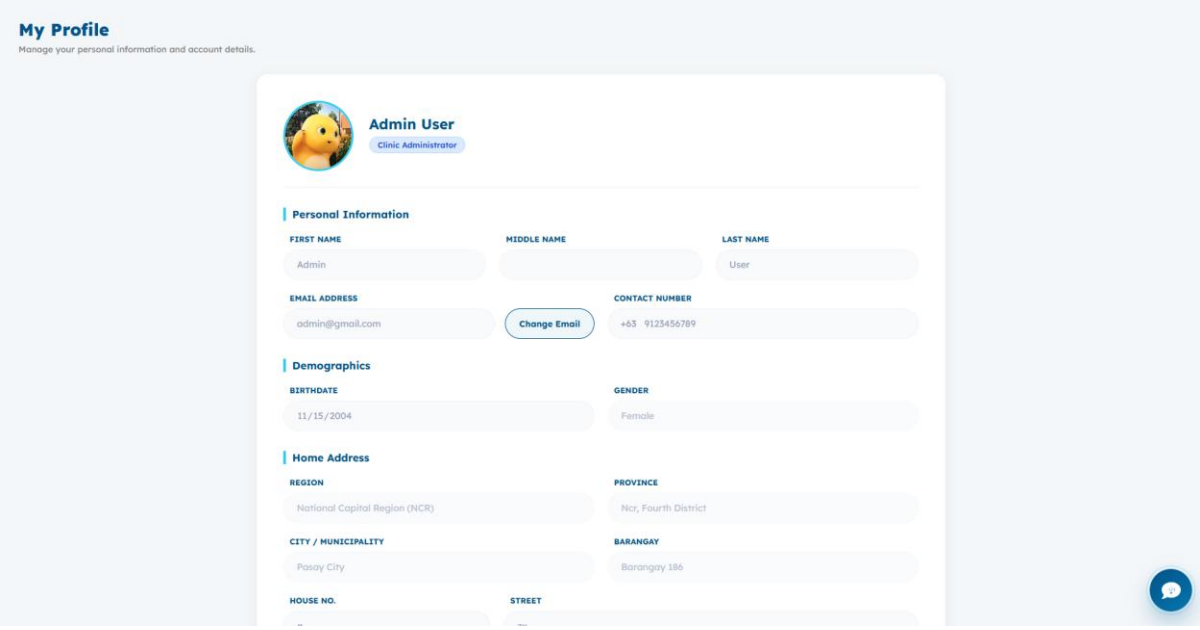


Figure 106. My Profile 1 (Web)

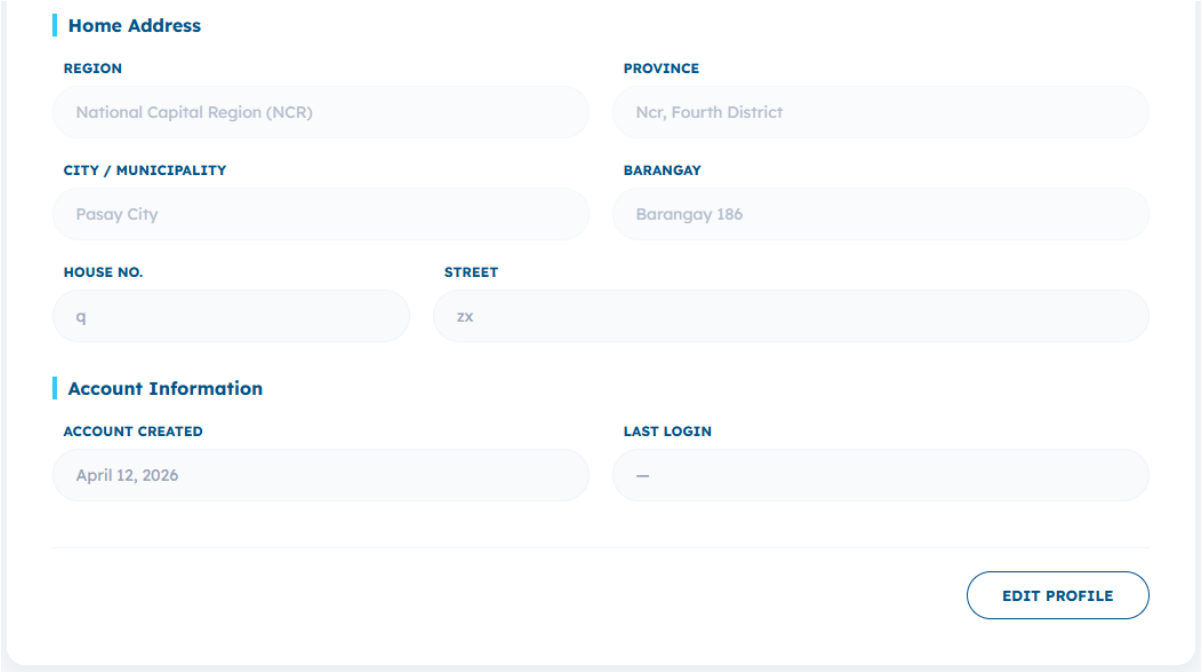


Figure 107. My Profile 2 (Web)

Figures 106 and 107 show the web profile page, which presents the user's personal, demographic, home-address, and account information and provides access to profile editing.

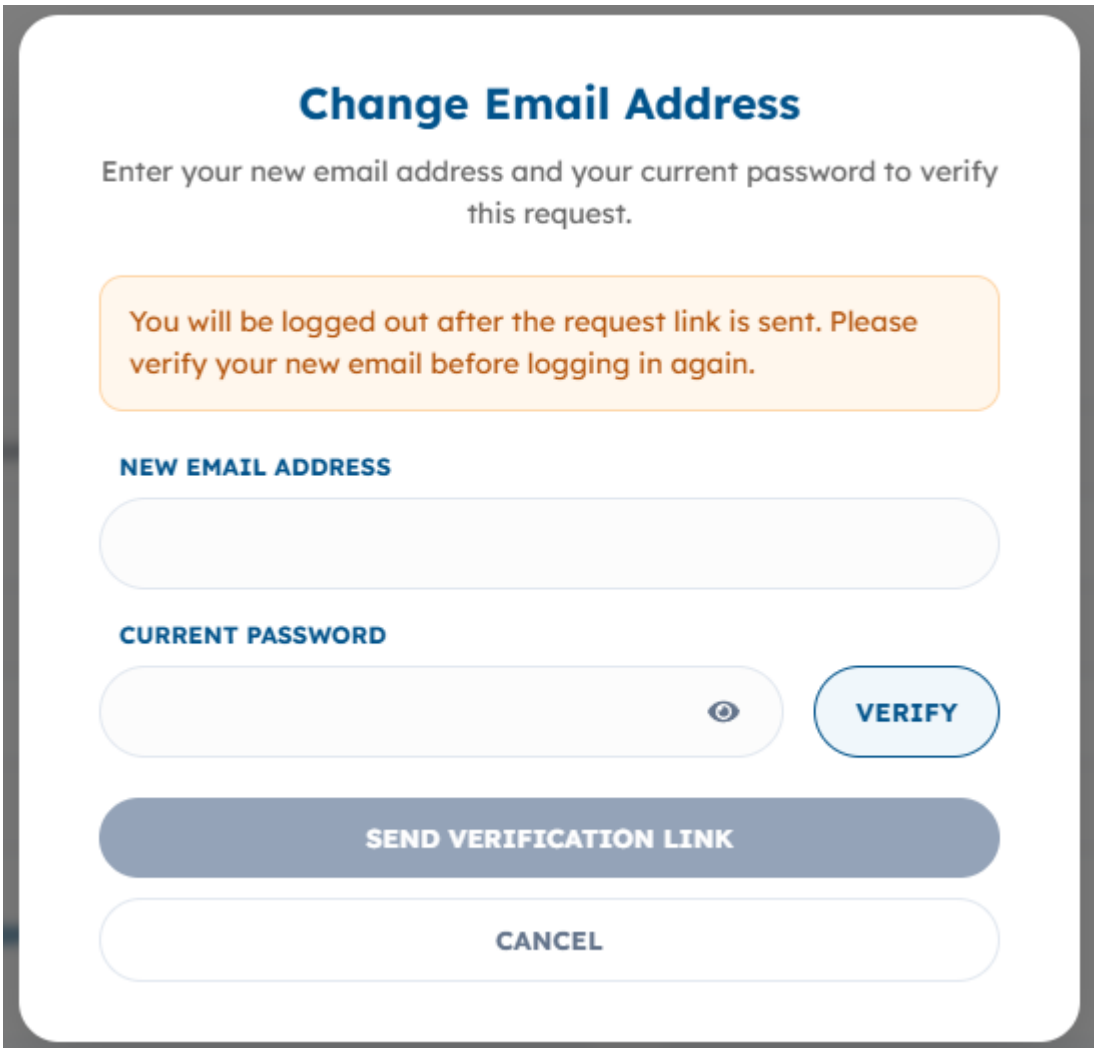


Figure 108. Change Email Address (Web)

Figure 108 shows the Change Email Address form. The user enters a new email address and current password, verifies the request, and receives an activation link for the new address.

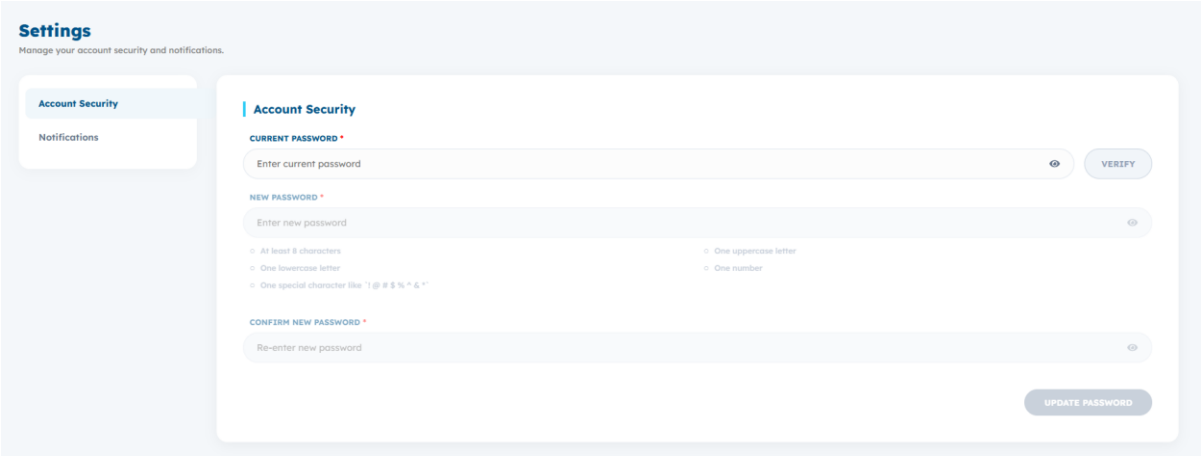


Figure 109. Account Security Settings (Web)

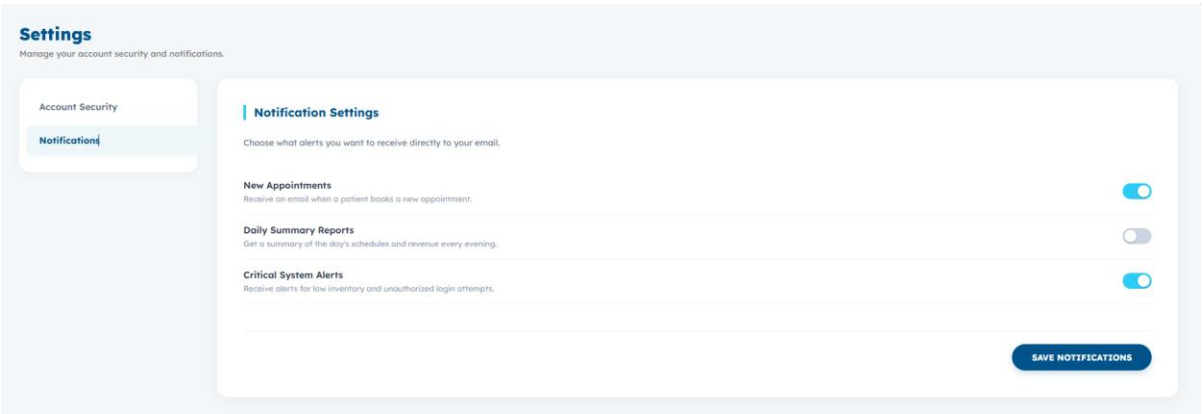


Figure 110. Notification Settings (Web)

Figures 109 and 110 show account security and notification settings. Users can update their password or security questions and choose which account, appointment, and dental-care notifications they receive.

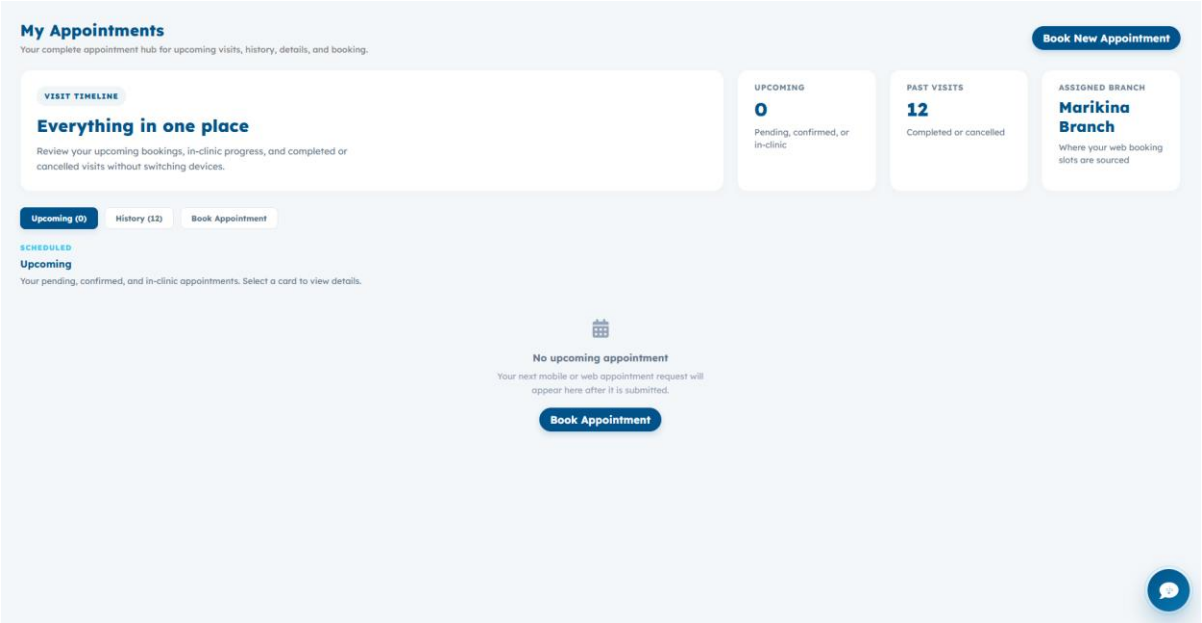


Figure 111. My Appointments - Empty State (Web)

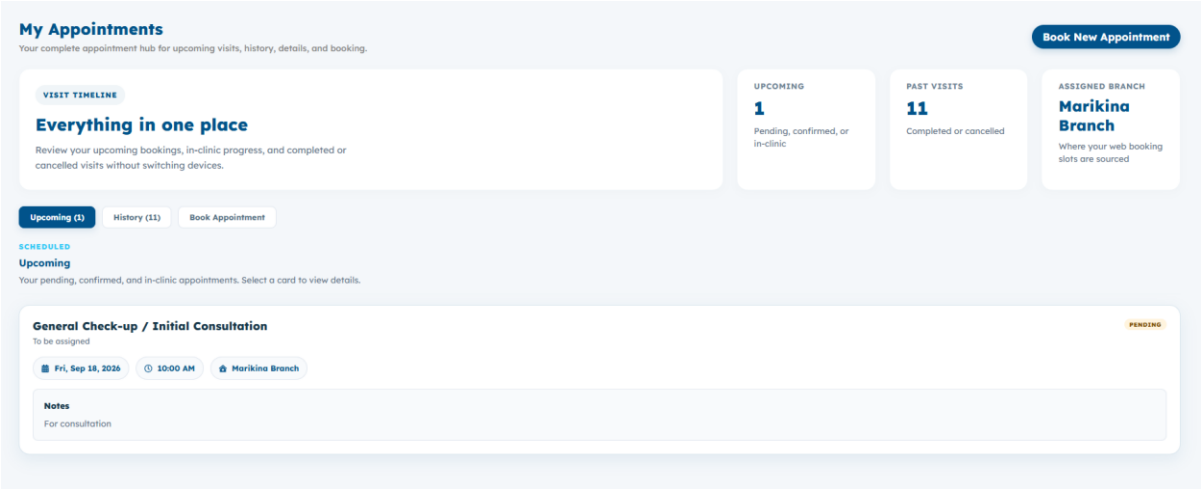


Figure 112. My Appointments - Appointment Entry (Web)

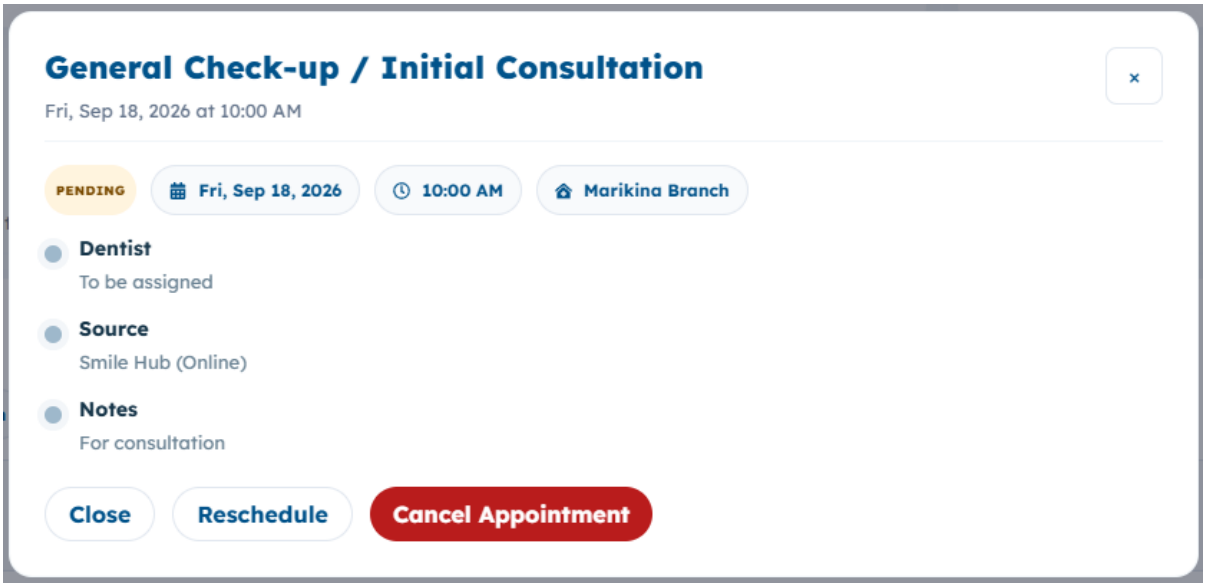


Figure 113. Appointment Details (Web)

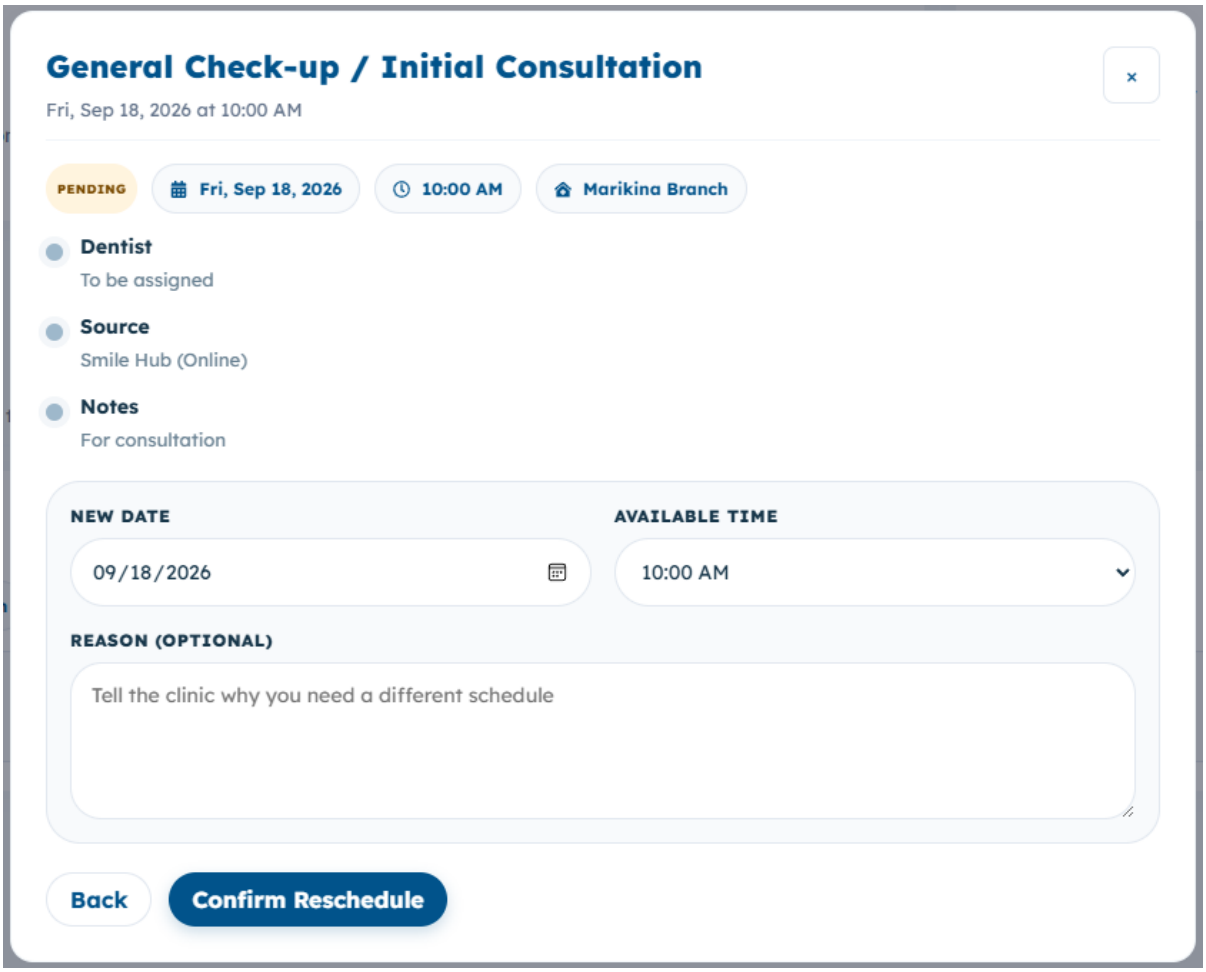


Figure 114. Reschedule Appointment (Web)

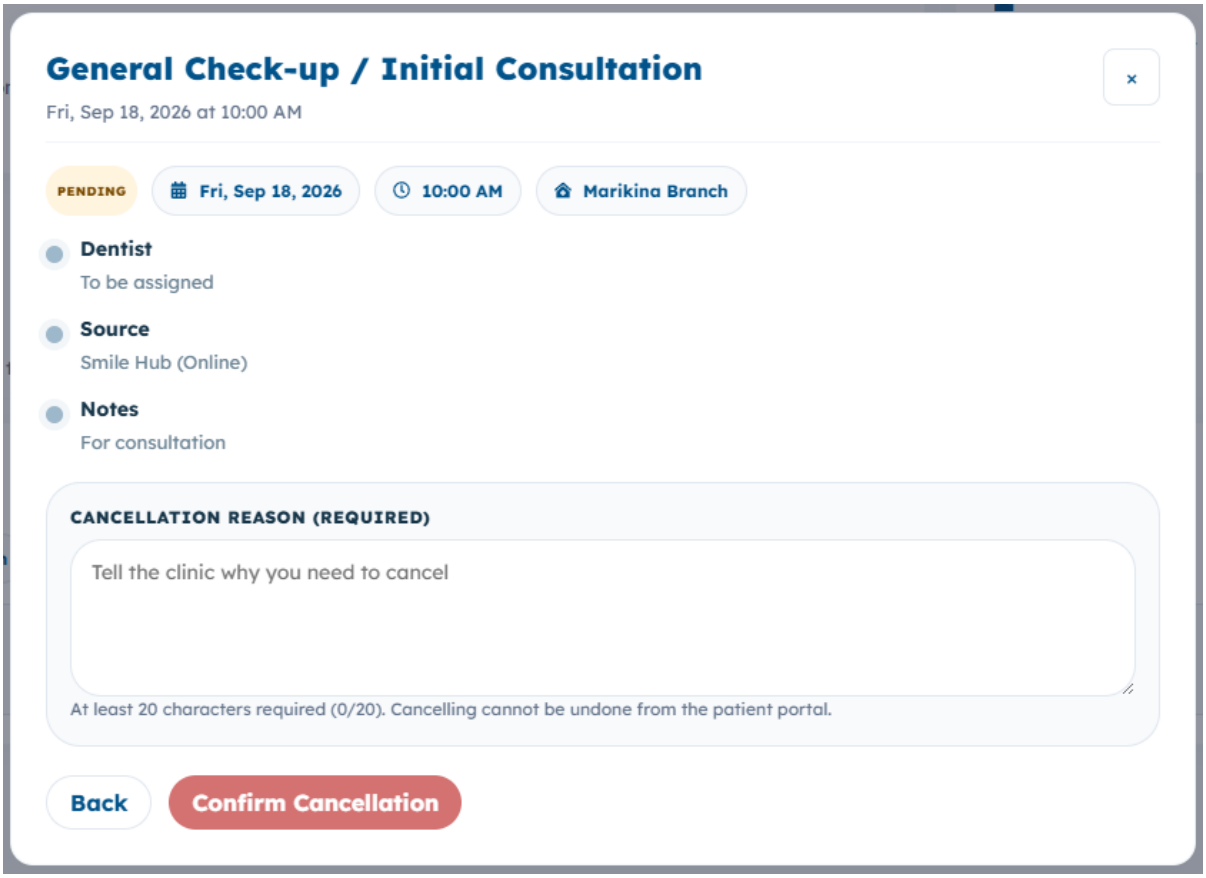


Figure 115. Cancel Appointment (Web)

Figure 116. Appointment History (Web)

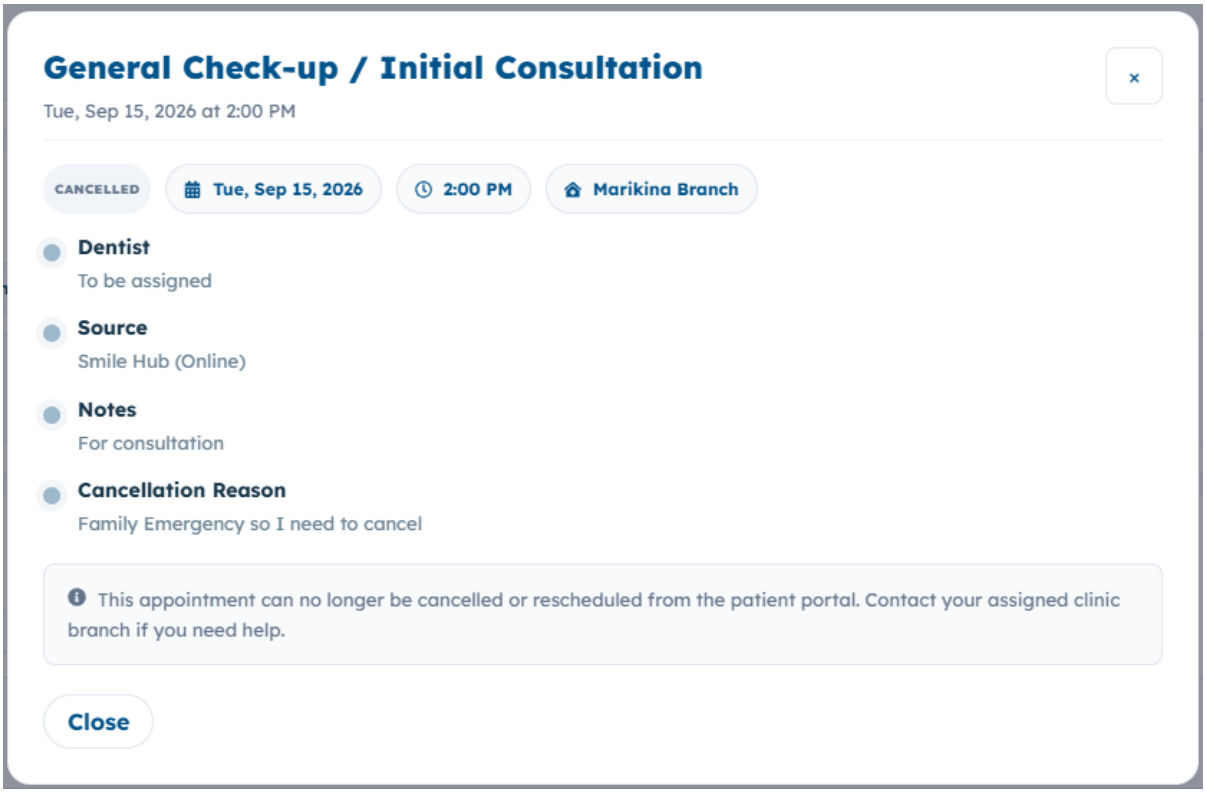


Figure 117. Cancelled Appointment Details (Web)

Figures 111 through 117 show appointment-list states, appointment details, rescheduling, cancellation, appointment history, and cancelled-appointment details. Patients can review current and past requests and, when permitted, change or cancel a pending appointment with a reason.

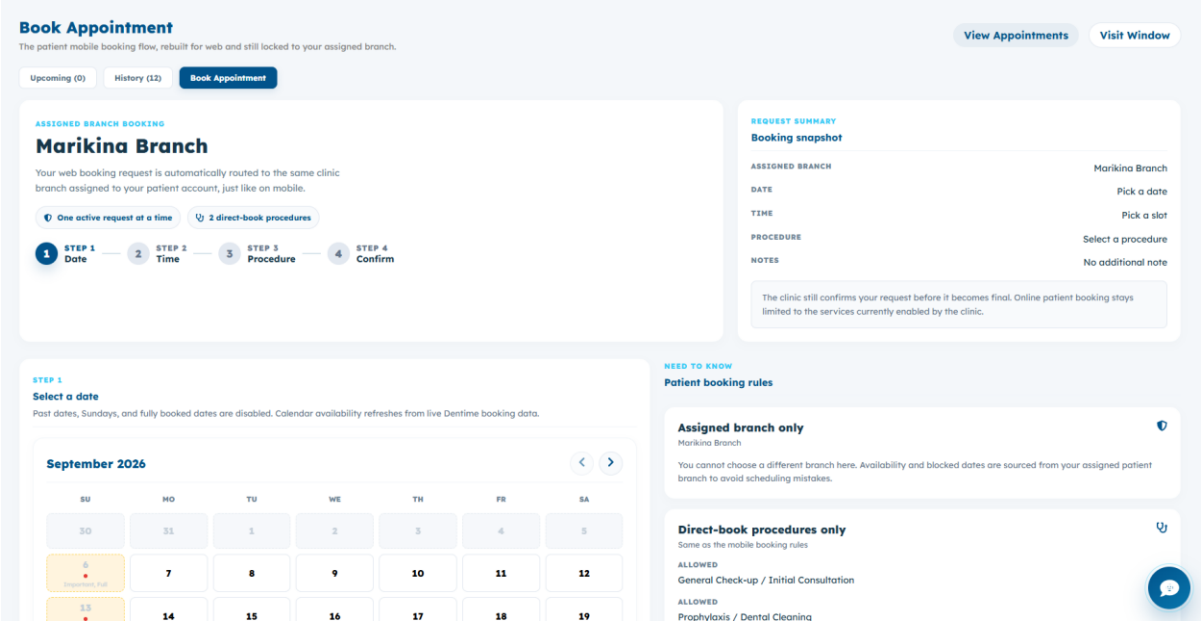


Figure 118. Book Appointment - Branch and Procedure (Web)

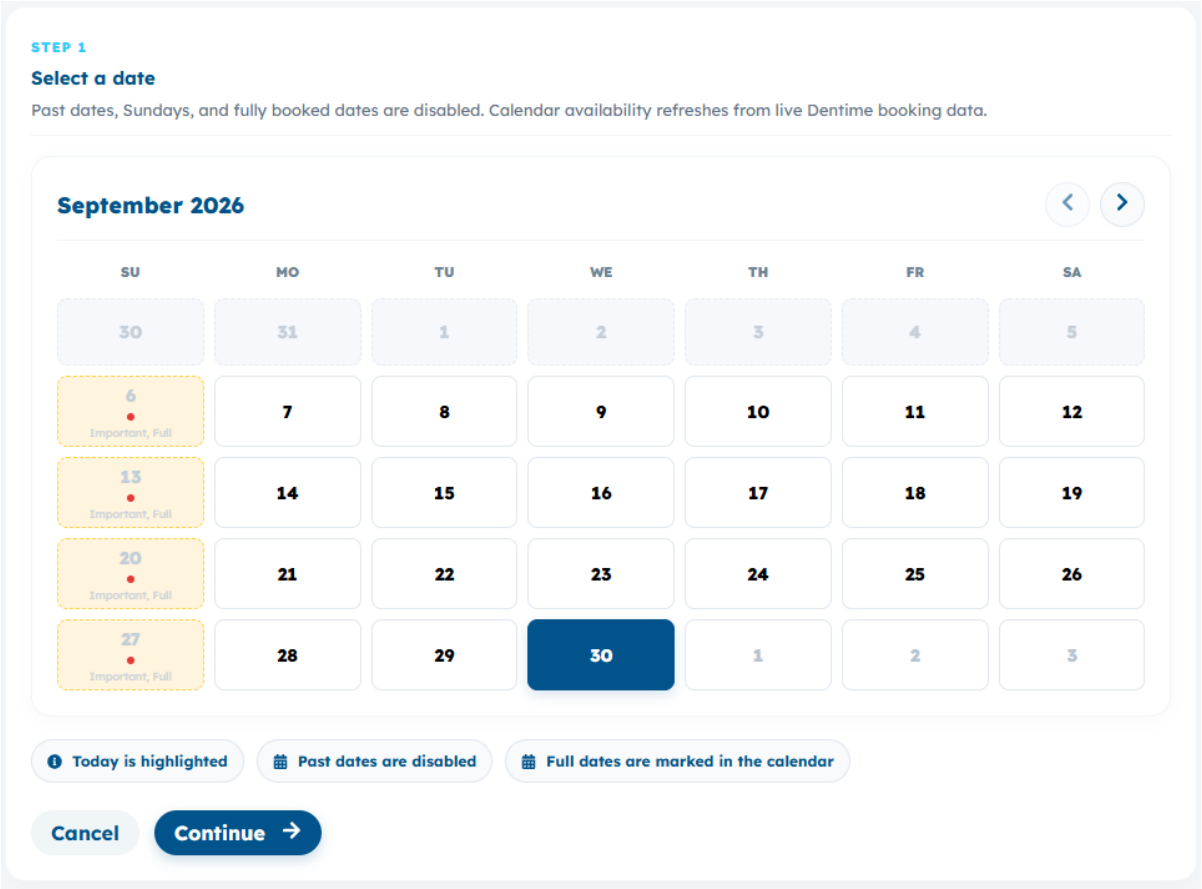


Figure 119. Book Appointment - Select Date (Web)

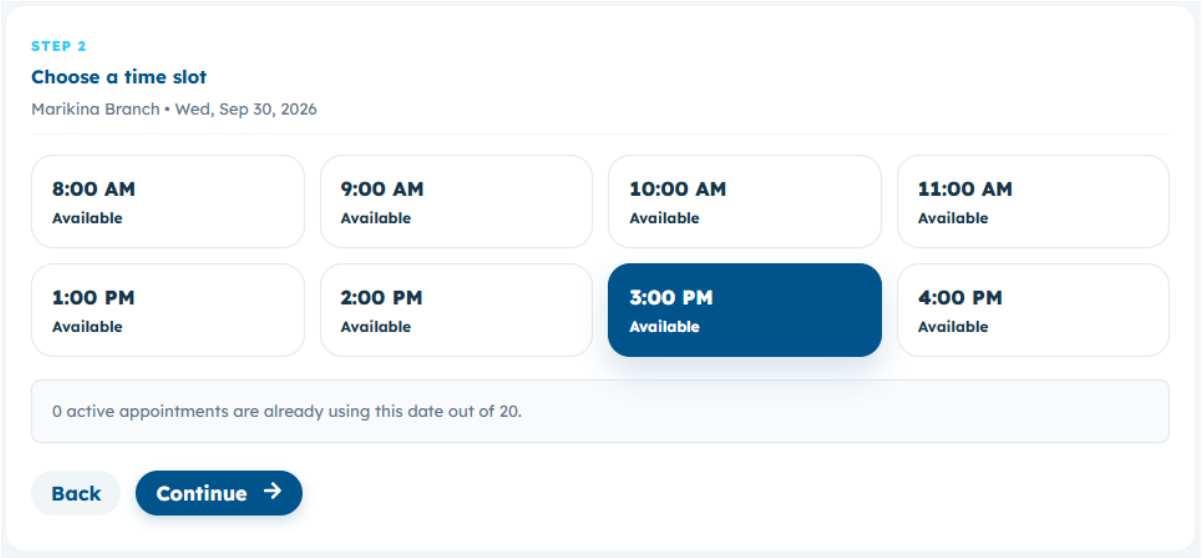


Figure 120. Book Appointment - Select Time (Web)

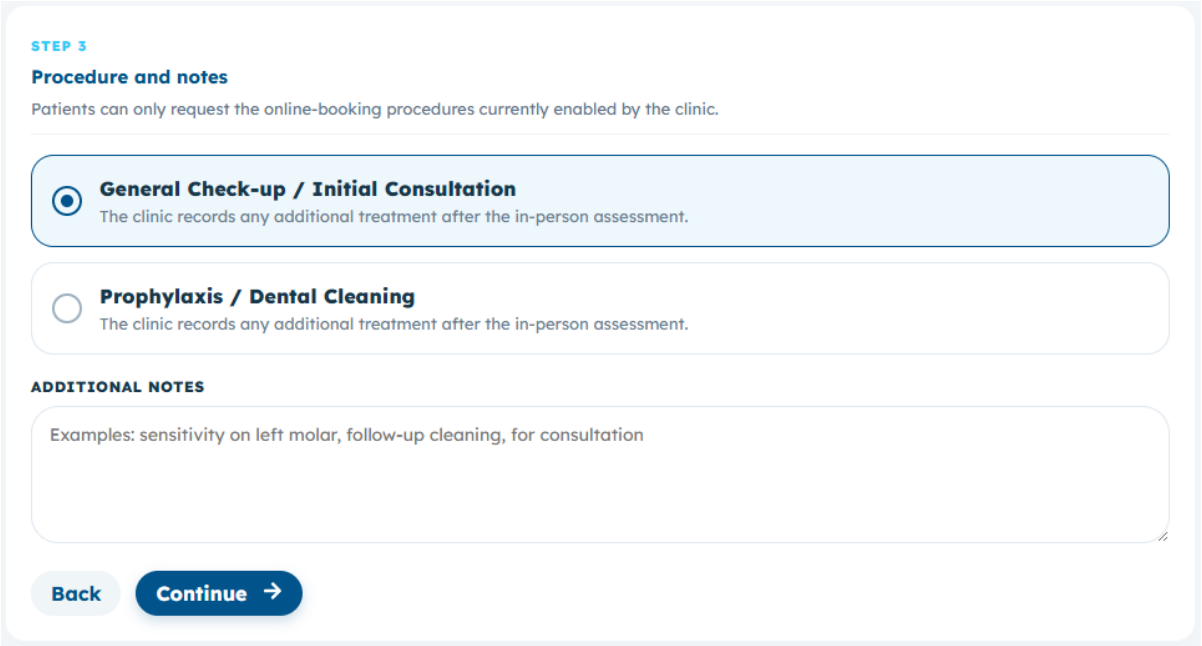


Figure 121. Book Appointment - Procedure and Notes (Web)

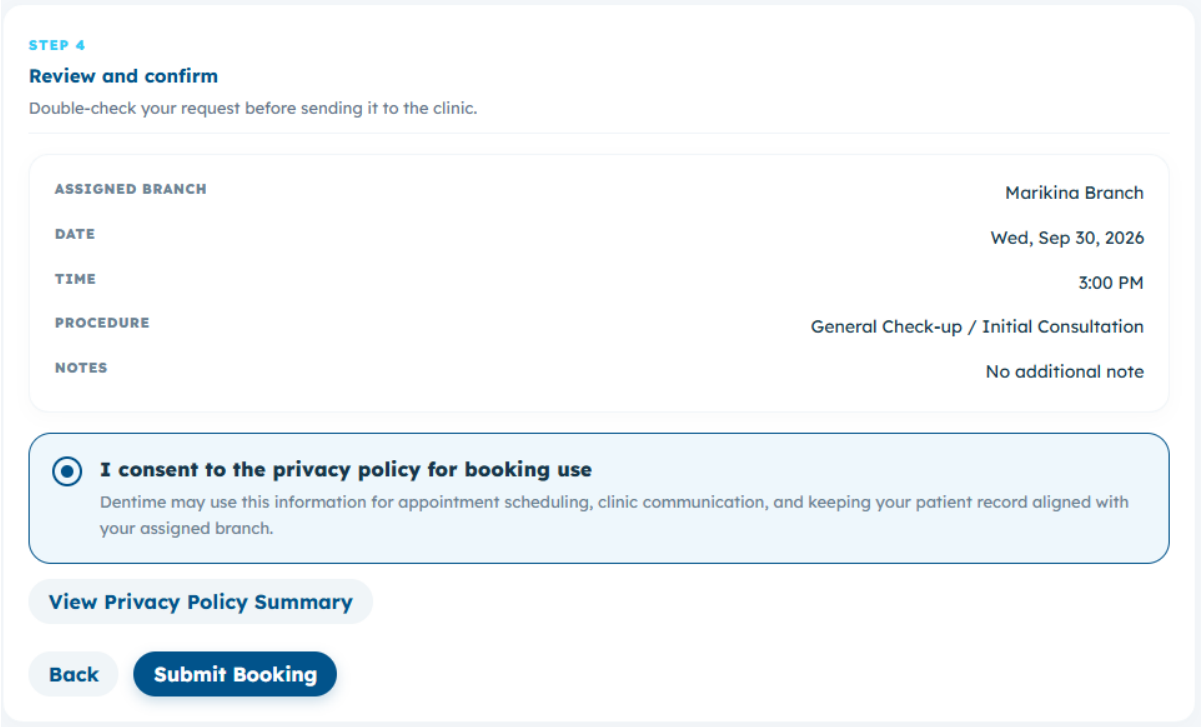


Figure 122. Book Appointment - Review and Confirm (Web)

Figure 123. Privacy Policy Summary (Web)

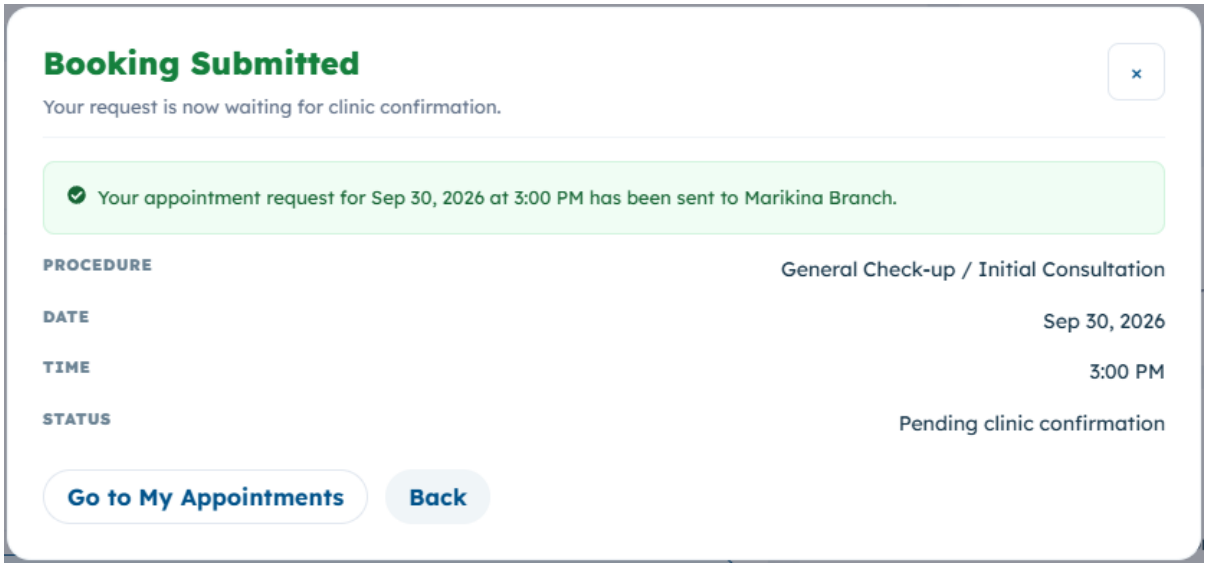


Figure 124. Booking Submitted (Web)

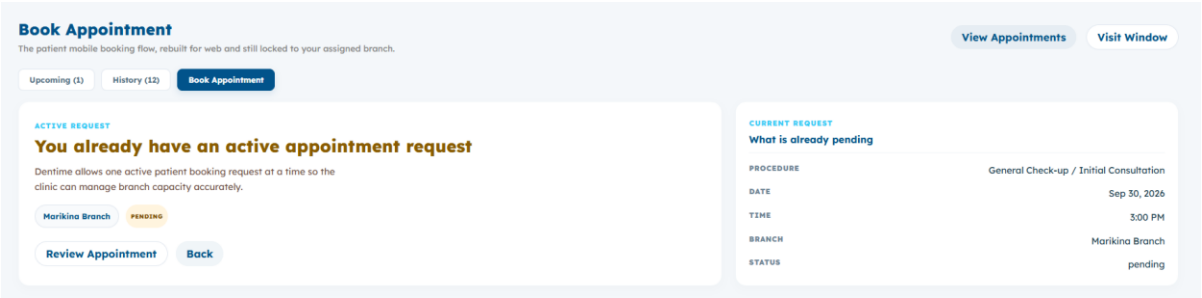


Figure 125. Active Appointment Conflict (Web)

Figures 118 through 125 show the complete web booking workflow. The patient selects a branch, date, time, and procedure; adds notes; reviews the privacy summary; confirms the request; and receives either a submission confirmation or a notice about an existing active appointment.

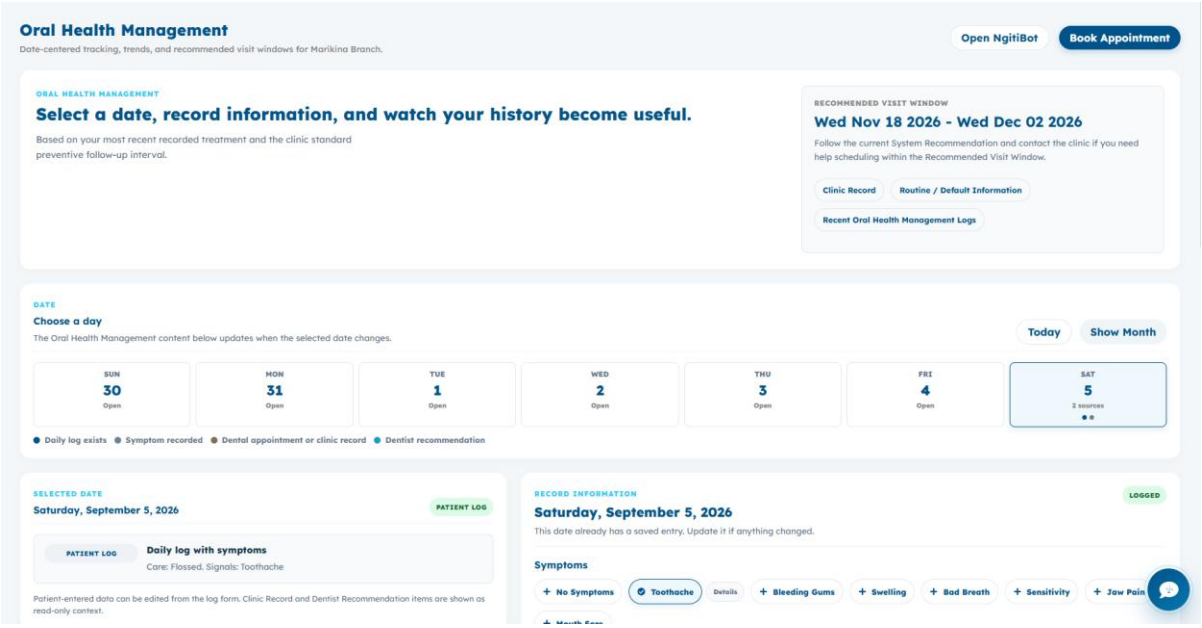


Figure 126. Oral Health Management Dashboard (Web)

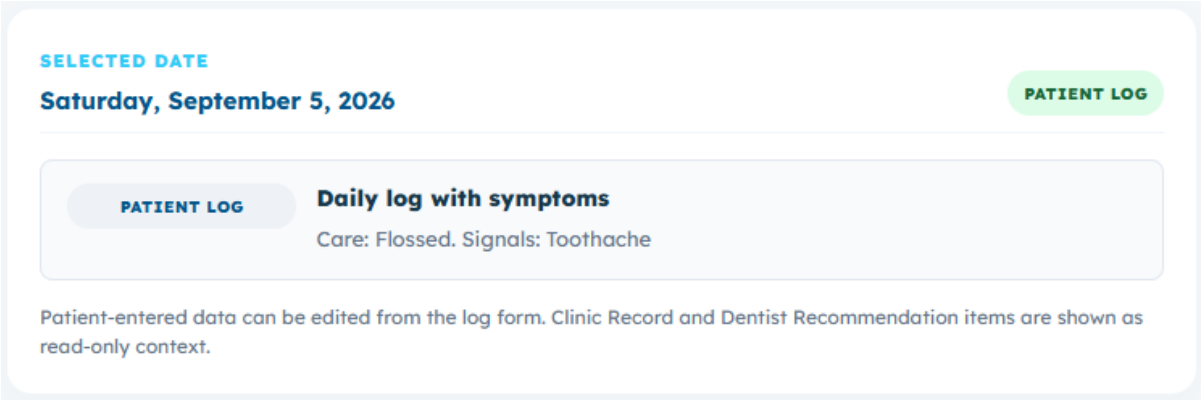


Figure 127. Oral Health Log Details (Web)

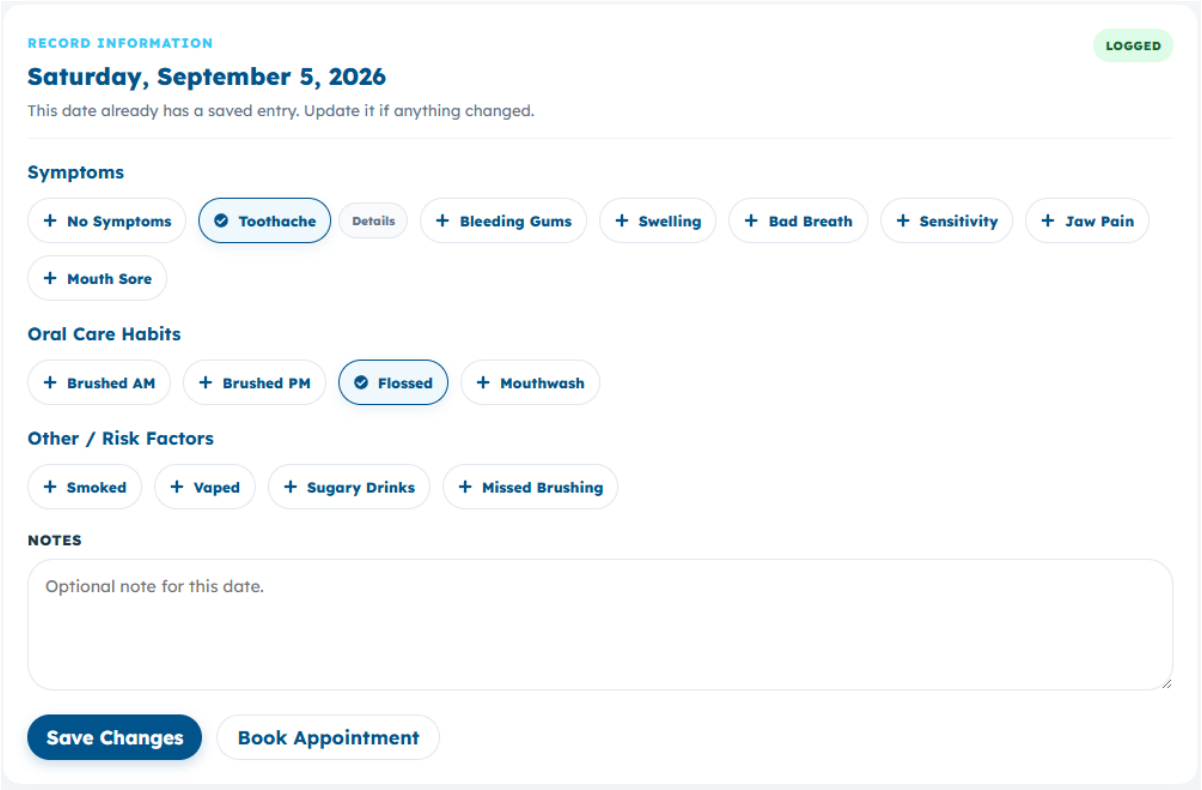


Figure 128. Edit Oral Health Log (Web)

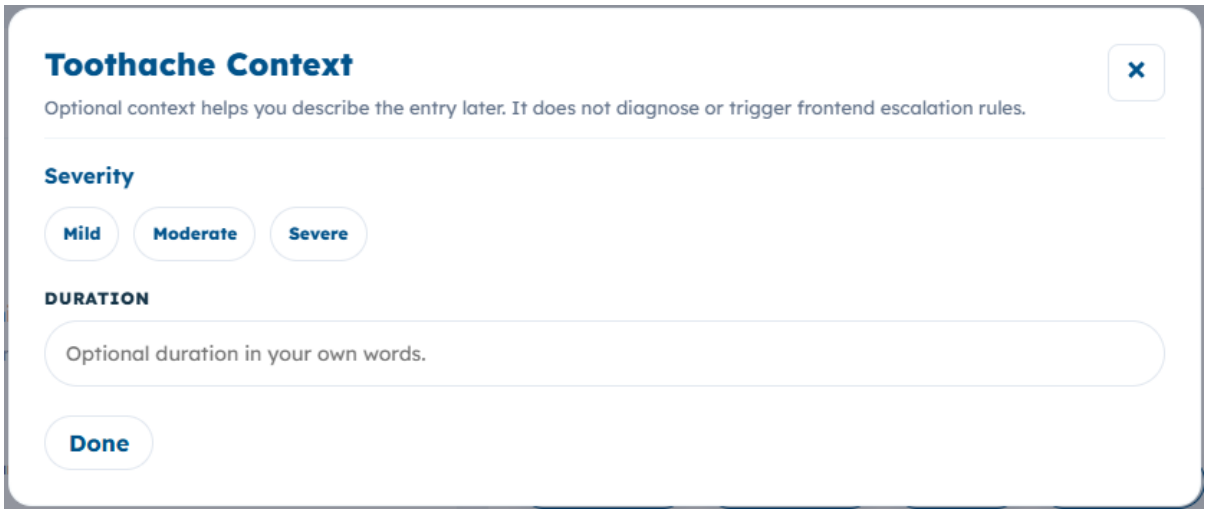


Figure 129. Symptom Context (Web)

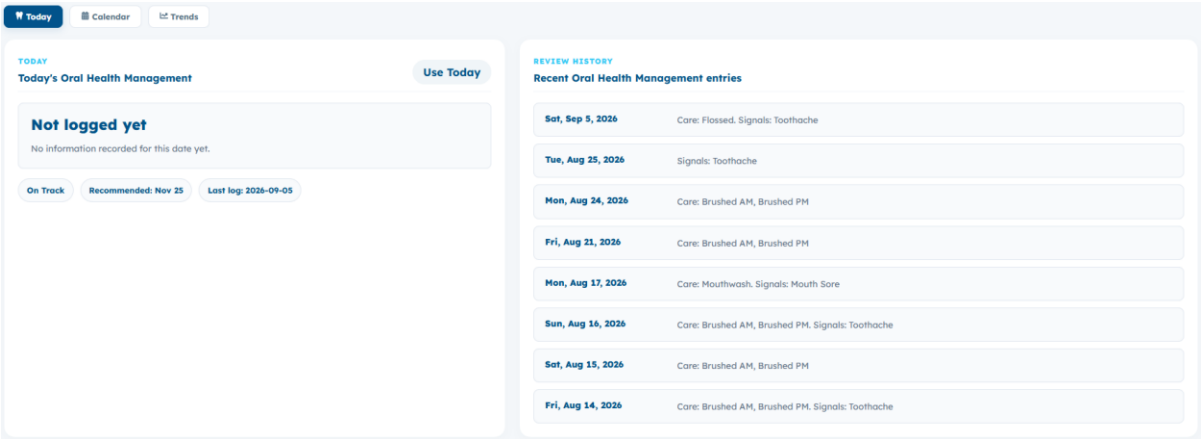


Figure 130. Oral Health Log - Empty State (Web)

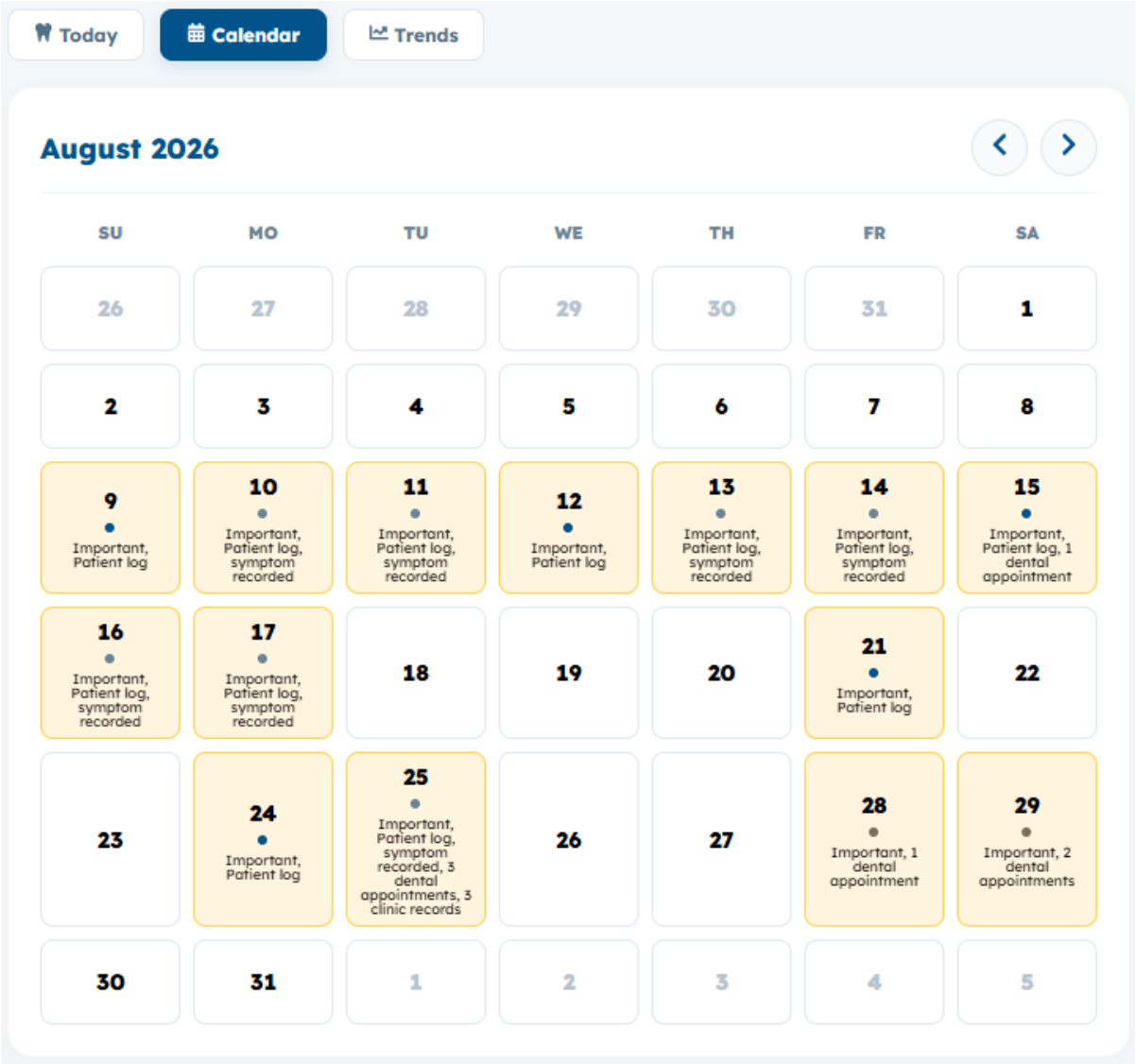


Figure 131. Oral Health Calendar (Web)

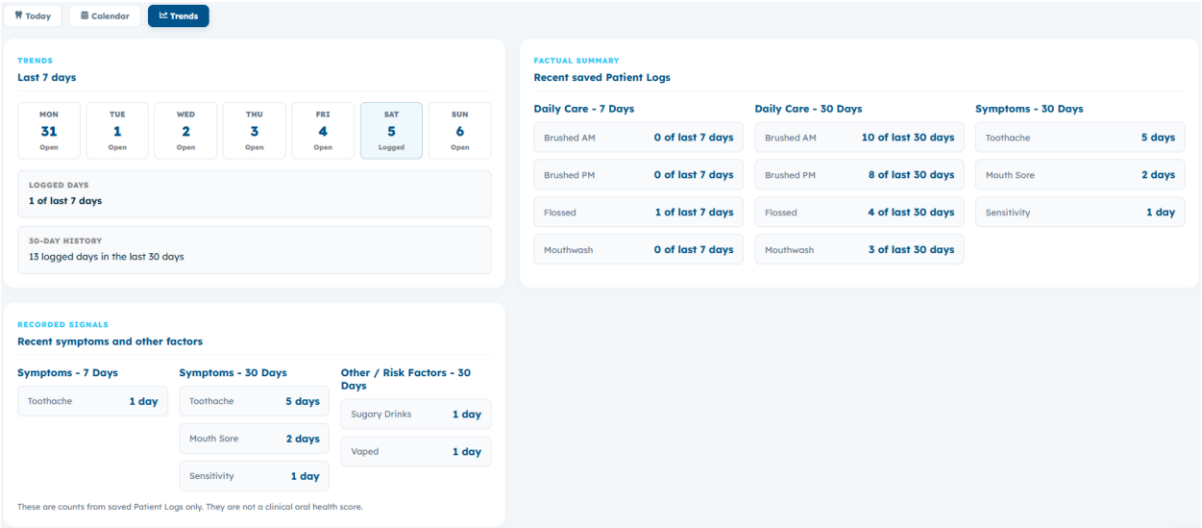


Figure 132. Oral Health Trends (Web)

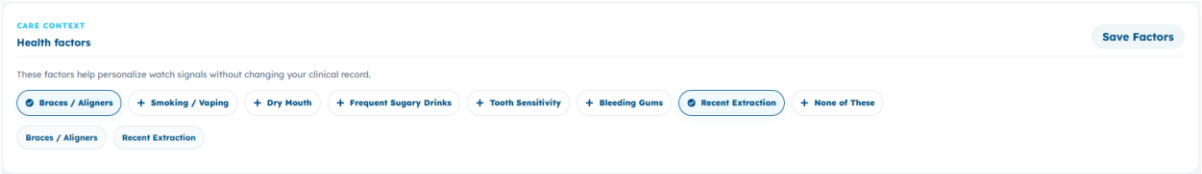


Figure 133. Oral Health Risk Factors (Web)

Figures 126 through 133 show web-based Oral Health Management. Patients can view a calendar and trends, open or edit daily logs, record symptom context and risk factors, and review recent patterns while clinical entries remain read-only where appropriate.

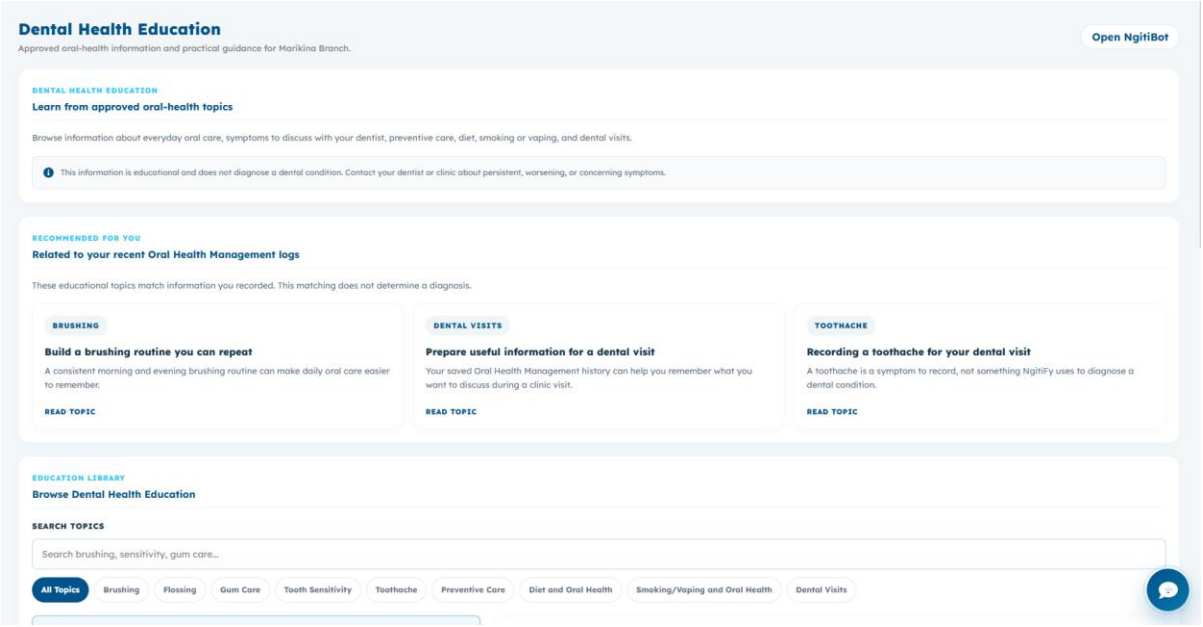


Figure 134. Dental Health Education Library (Web)

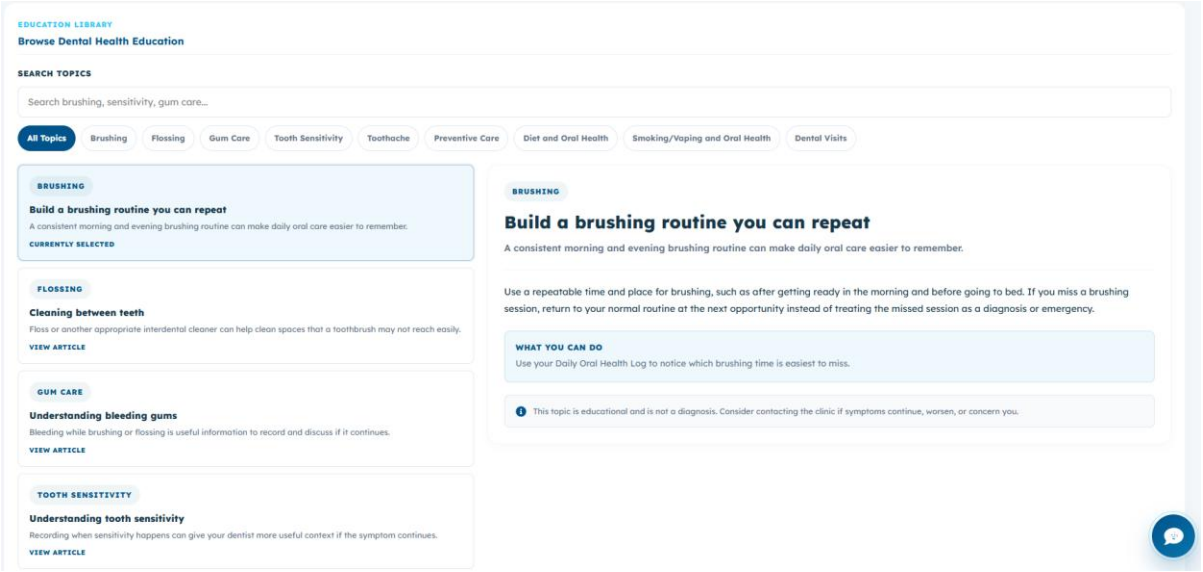


Figure 135. Dental Health Education Article (Web)

Figures 134 and 135 show the dental health education library and an article view. Patients can browse approved topics and open concise educational guidance related to daily oral care.

Mobile Application

Figure 136. Login (Mobile)

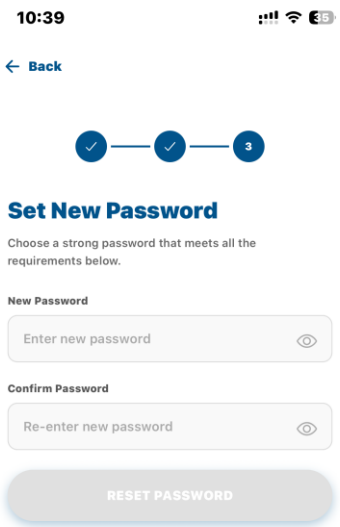


Figure 137. Set New Password (Mobile)

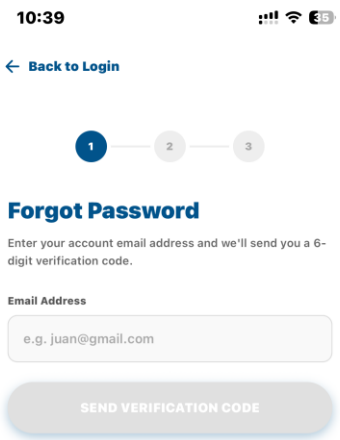


Figure 138. Forgot Password (Mobile)

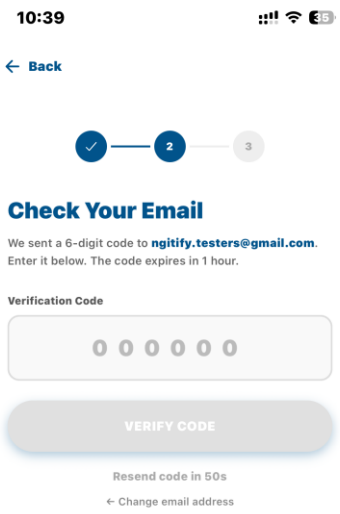


Figure 139. Email Verification - Forgot Password (Mobile)

Figures 136 through 139 show mobile login and password recovery. A patient can sign in, request a reset using a registered email address, enter the verification code, and create a new password.

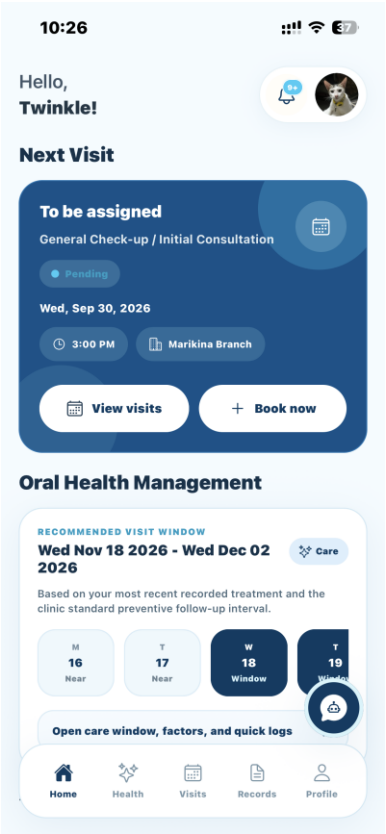


Figure 140. Home Dashboard (Mobile)

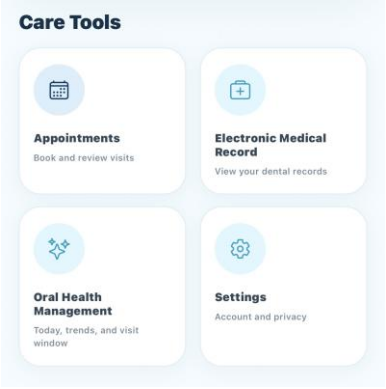


Figure 141. Care Tools (Mobile)

Figures 140 and 141 show the mobile home dashboard and care tools. The dashboard summarizes the next visit and oral-health activity, while the tools provide direct access to appointments, the electronic medical record, Oral Health Management, and settings.

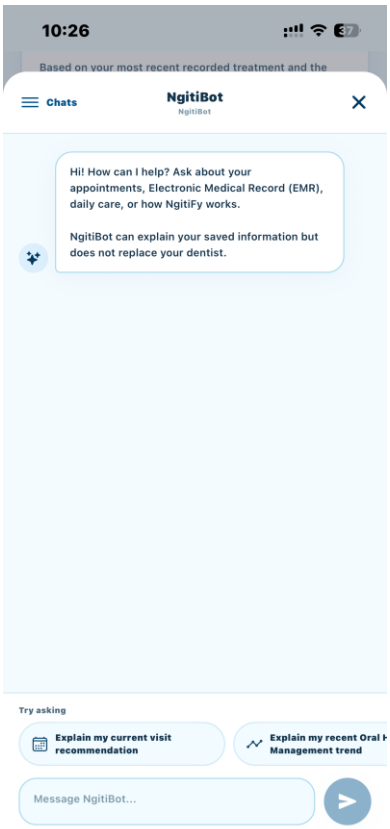


Figure 142. NgitifyBot (Mobile)

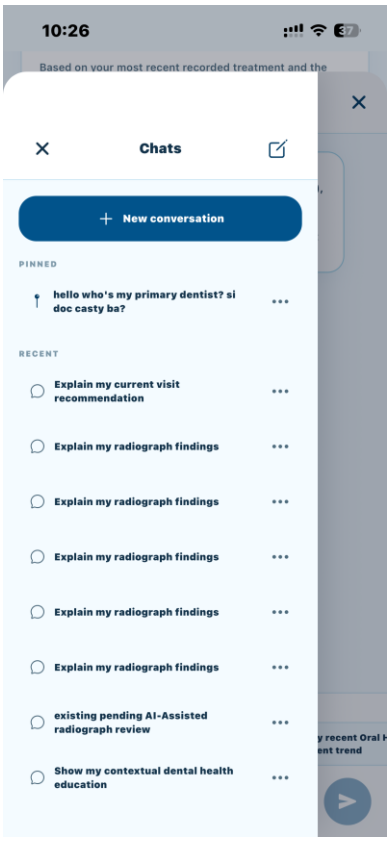


Figure 143. Conversation History (Mobile)

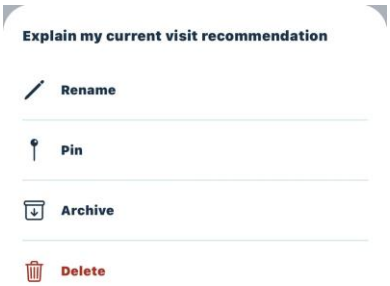


Figure 144. Conversation Options (Mobile)

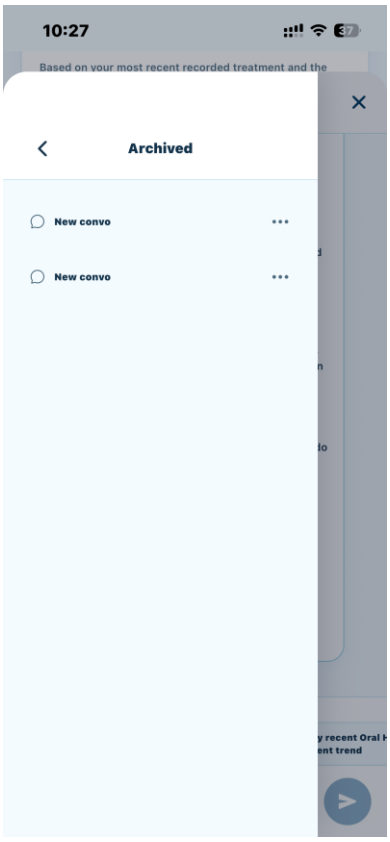


Figure 145. Archived Conversations (Mobile)

Figures 142 through 145 show NgitifyBot on mobile and its conversation-management views. Patients can exchange supported messages, open conversation history, rename, pin, archive, or delete a chat, and revisit archived conversations.

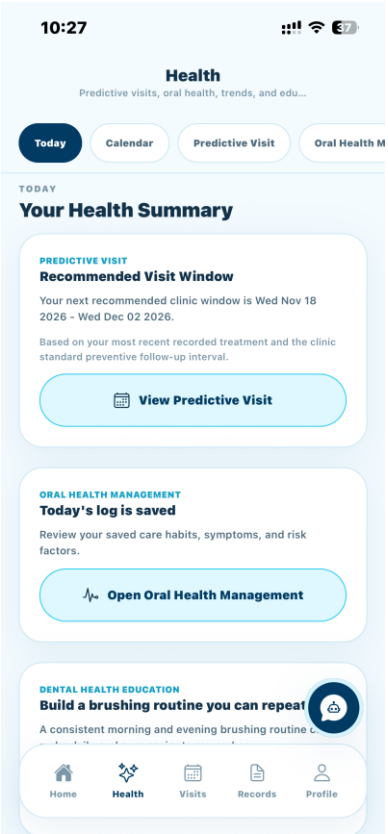


Figure 146. Oral Health Management (Mobile)

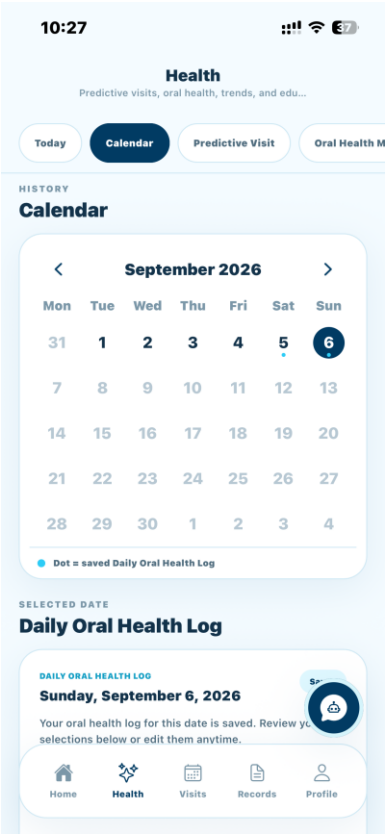


Figure 147. Oral Health Calendar (Mobile)

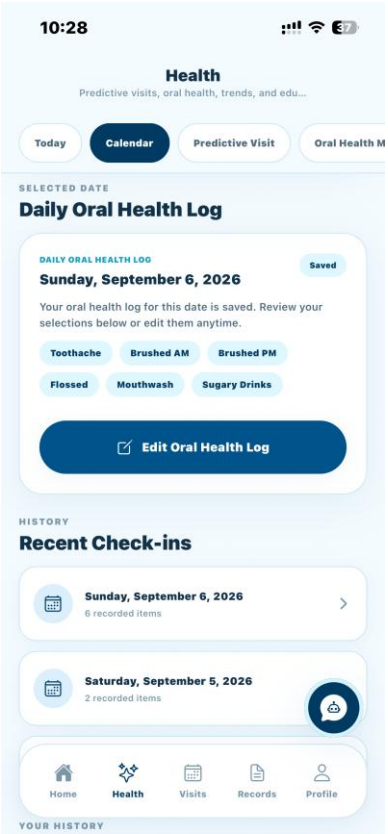


Figure 148. Daily Oral Health Log (Mobile)

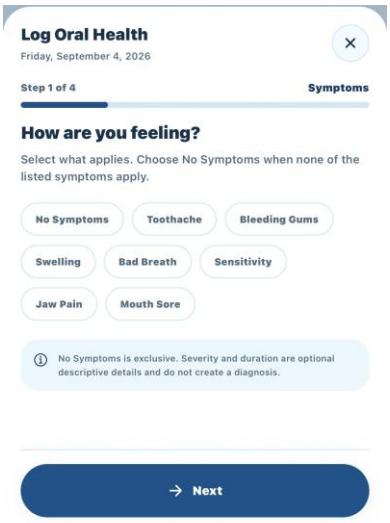


Figure 149. Log Oral Health - Symptoms (Mobile)

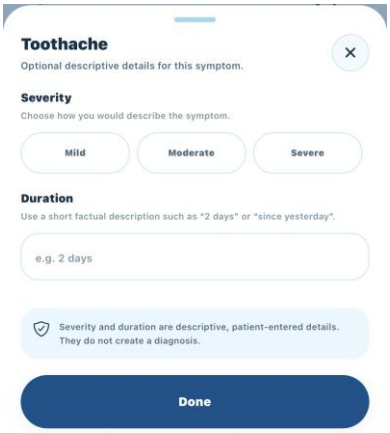


Figure 150. Symptom Details (Mobile)

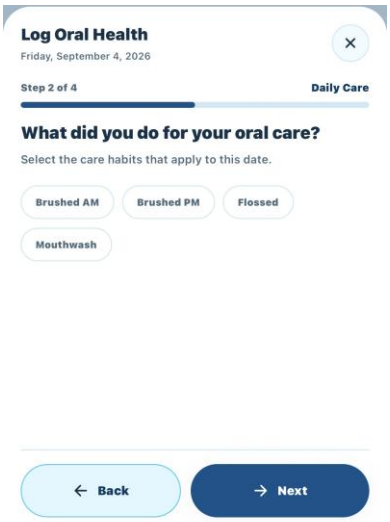


Figure 151. Log Oral Health - Care Habits (Mobile)

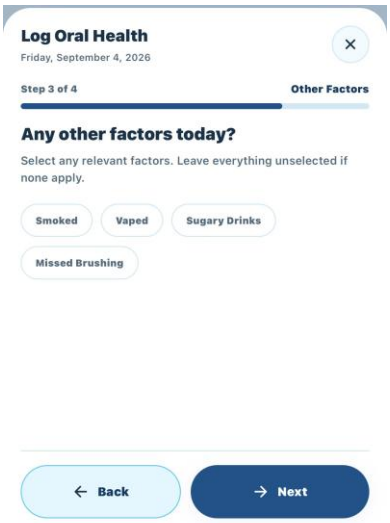


Figure 152. Log Oral Health - Risk Factors (Mobile)

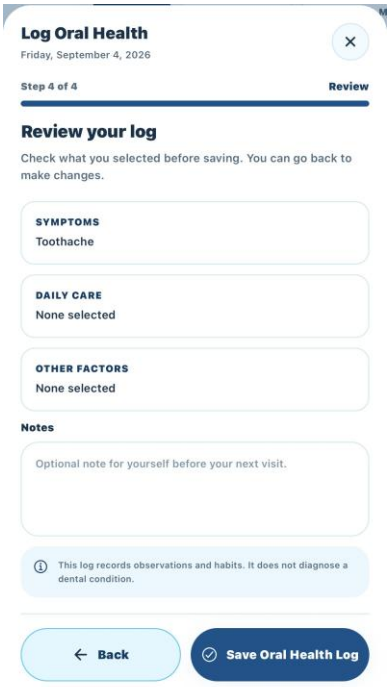


Figure 153. Review Oral Health Log (Mobile)

Figures 146 through 153 show the mobile Oral Health Management dashboard, calendar, and four-step daily logging workflow. Patients record symptoms, optional symptom context, daily care habits, risk factors, and notes, then review the information before saving the log.

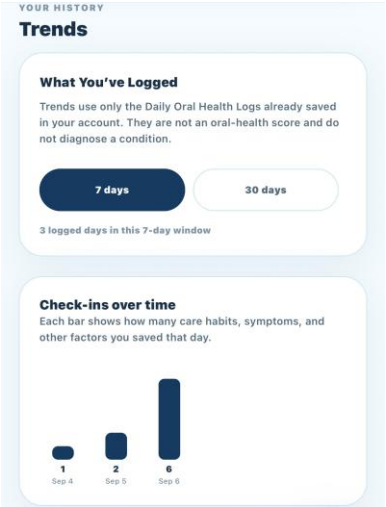


Figure 154. Oral Health Trends - 7 Days (Mobile)

Figure 155. Oral Health Trends - 30 Days (Mobile)

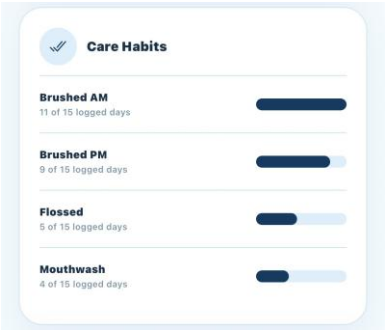


Figure 156. Oral Health Trends - Care Habits (Mobile)

Figure 157. Oral Health Trends - Symptoms (Mobile)

Figure 158. Oral Health Trends - Risk Factors (Mobile)

Figures 154 through 158 show oral-health trends for seven- and thirty-day periods. The views summarize check-ins, care habits, symptoms, and risk factors so patients can recognize patterns in their recorded data.

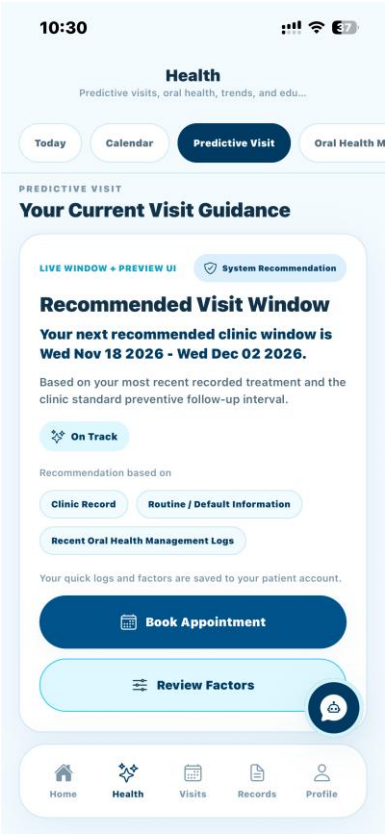


Figure 159. Recommended Visit Window (Mobile)

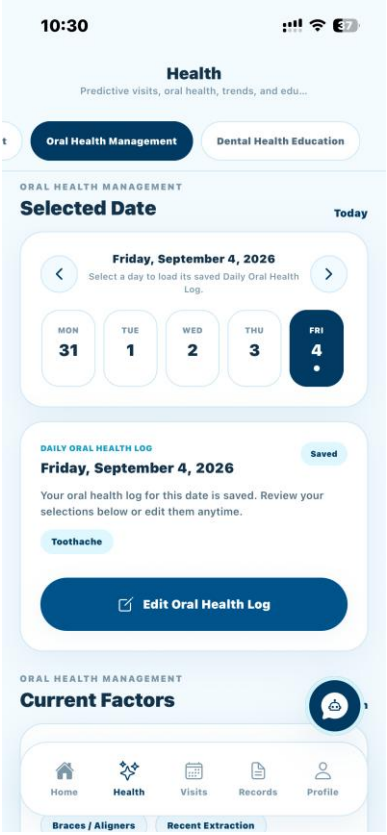


Figure 160. Oral Health Calendar - Selected Date (Mobile)

Figure 161. Suggested Next Action (Mobile)

Figure 162. Current Oral Health Factors (Mobile)

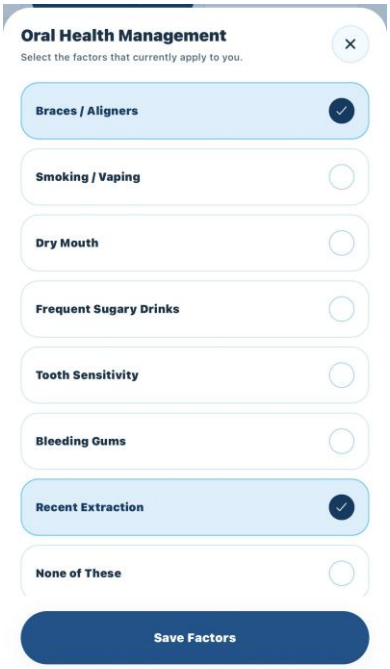


Figure 163. Edit Oral Health Factors (Mobile)

Figures 159 through 163 show guidance generated from recent oral-health logs, including a recommended visit window, selected-date context, suggested next actions, and editable current factors. These items support patient awareness without replacing professional diagnosis.

Figure 164. Dental Health Education (Mobile)

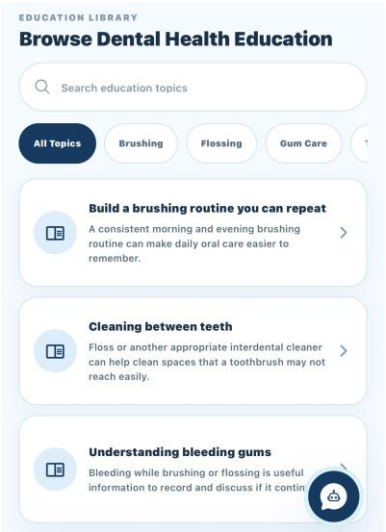


Figure 165. Dental Health Education Library (Mobile)

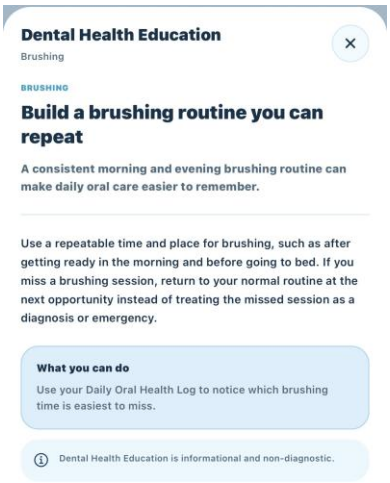


Figure 166. Dental Health Education Article (Mobile)

Figures 164 through 166 show mobile dental health education. Patients can open the education area, browse approved topics, and read an article containing practical, non-diagnostic oral-care guidance.

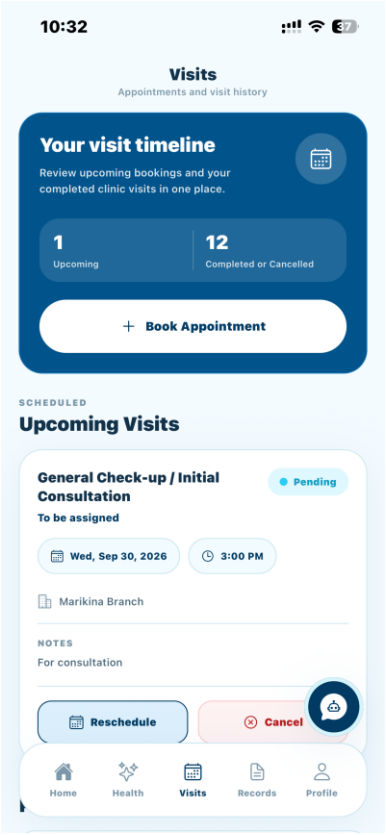


Figure 167. Appointments Dashboard (Mobile)

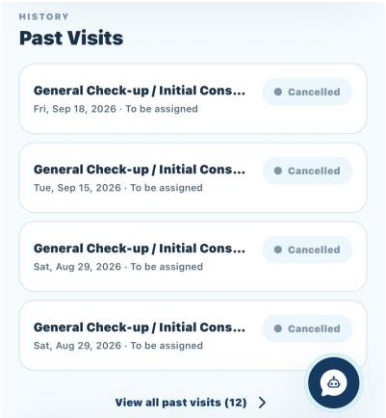


Figure 168. Past Visits (Mobile)

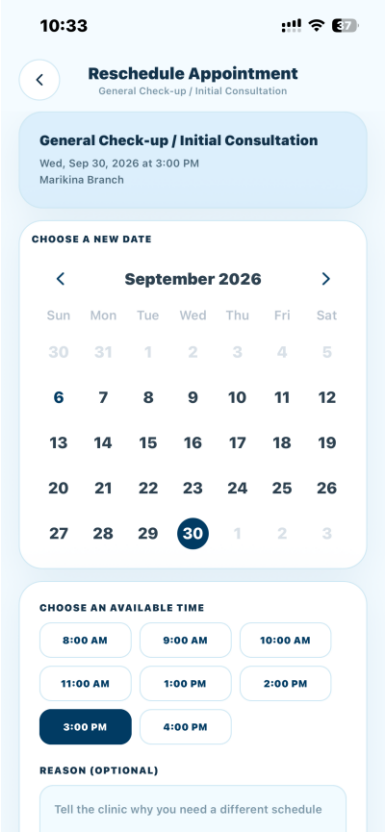


Figure 169. Reschedule Appointment (Mobile)

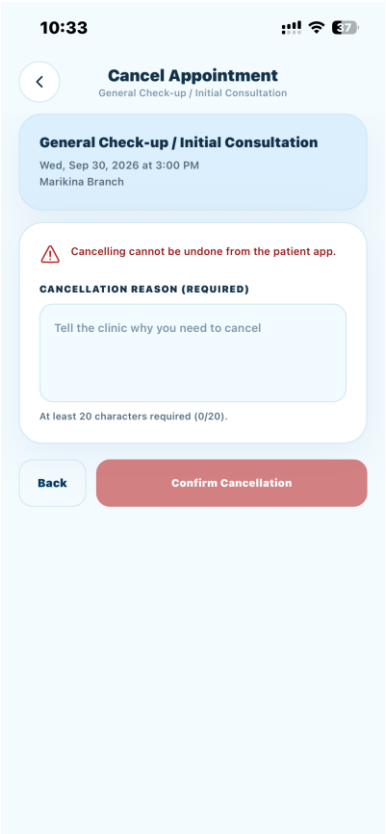


Figure 170. Cancel Appointment (Mobile)

Figures 167 through 170 show mobile appointment management. Patients can view upcoming and past visits and submit a permitted reschedule or cancellation request with the required details.

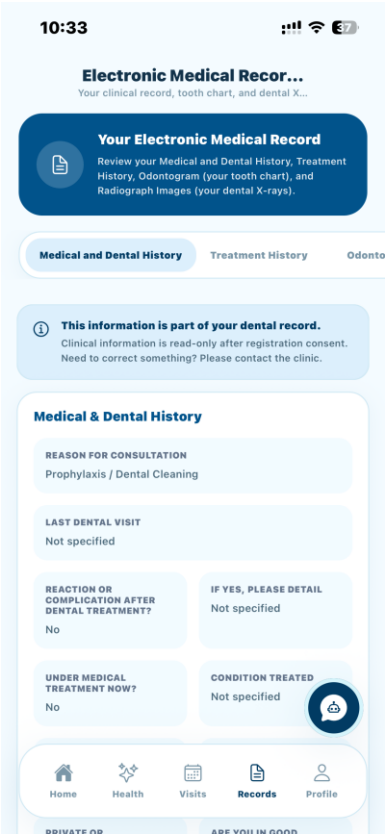


Figure 171. Electronic Medical Record - Medical and Dental History (Mobile)

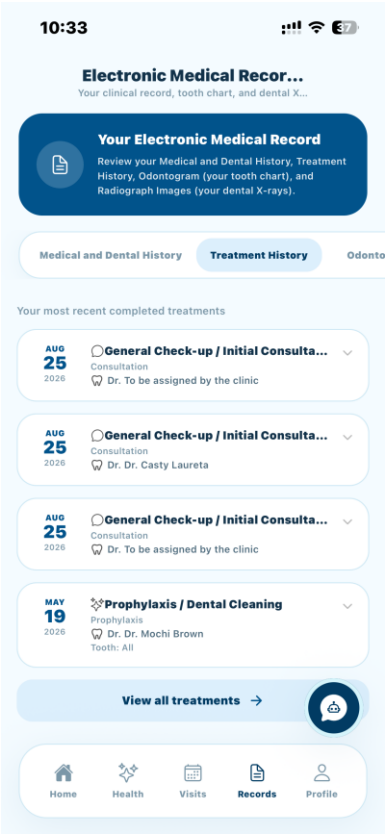


Figure 172. Electronic Medical Record - Treatment History (Mobile)

Figure 173. Electronic Medical Record - Odontogram (Mobile)

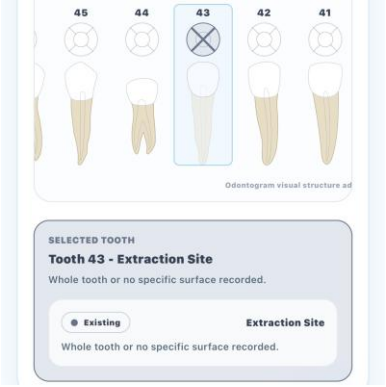


Figure 174. Odontogram Tooth Details 1 (Mobile)

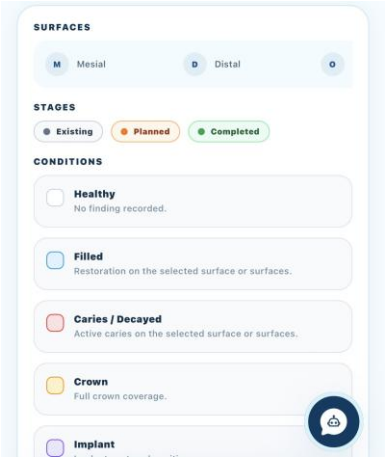


Figure 175. Odontogram Tooth Details 2 (Mobile)

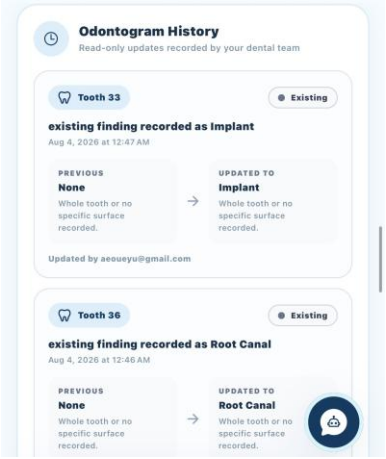


Figure 176. Odontogram History (Mobile)

Figures 171 through 176 show the mobile electronic medical record for medical and dental history, treatment history, odontogram data, tooth details, and odontogram history. The screens provide authorized, read-only access to clinical information recorded by the dental team.

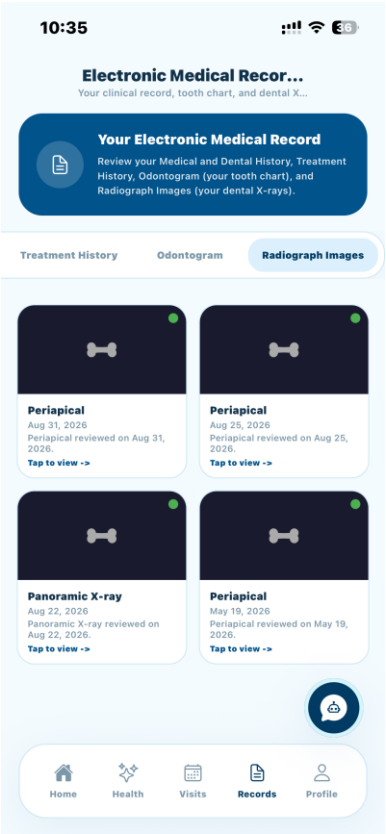


Figure 177. Radiograph History (Mobile)

Figure 178. Radiograph Viewer (Mobile)

Figures 177 and 178 show mobile radiograph history and the radiograph viewer. Patients can open a stored image and review the dentist-approved summary and related treatment information.

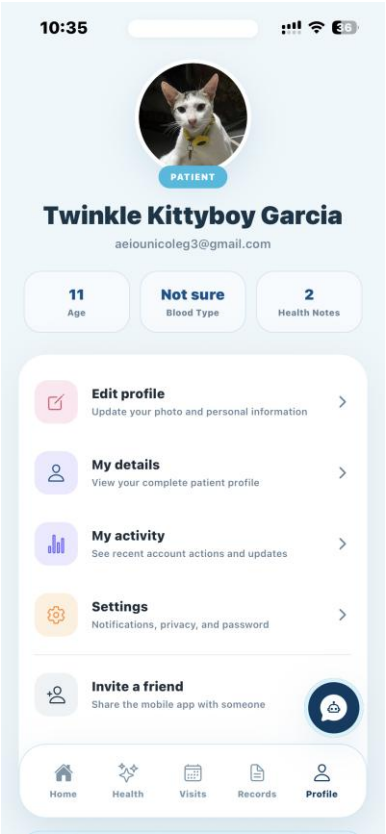


Figure 179. Profile (Mobile)

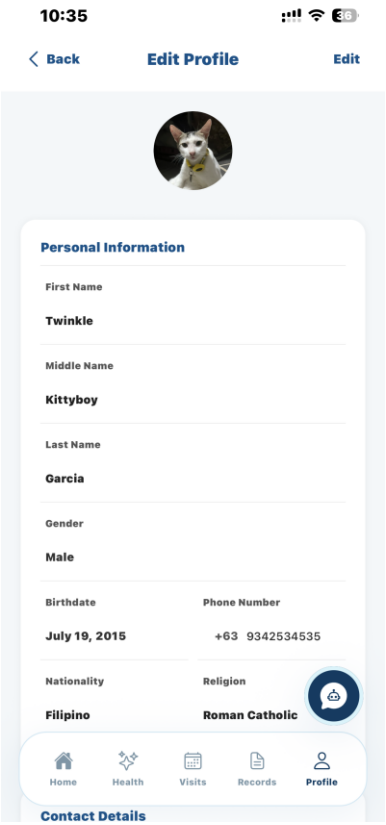


Figure 180. Edit Profile (Mobile)

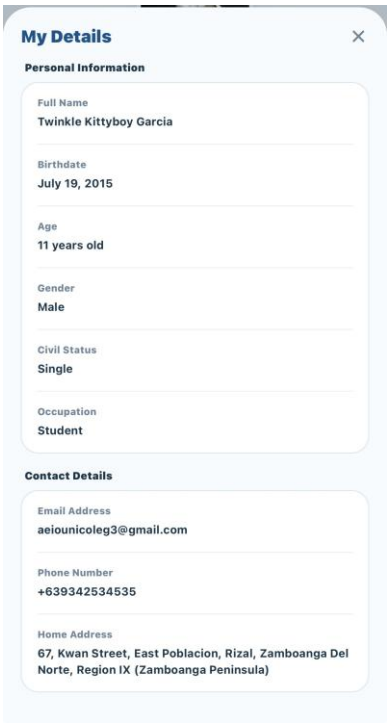


Figure 181. My Details (Mobile)

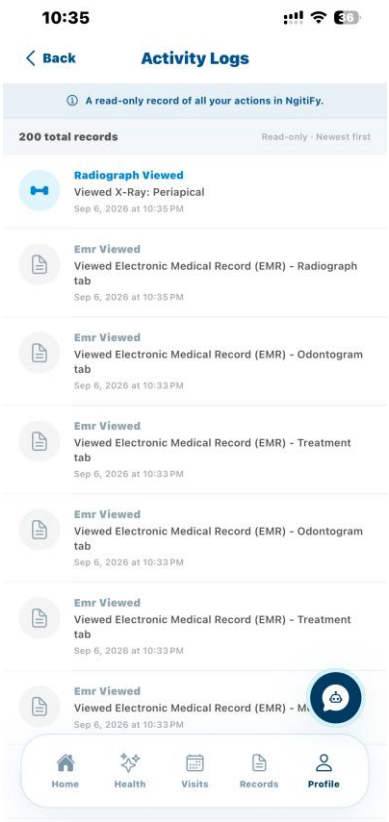


Figure 182. Activity Logs (Mobile)

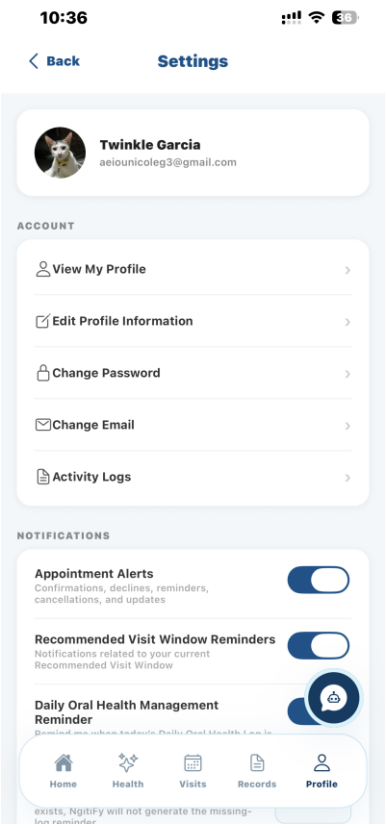


Figure 183. Settings (Mobile)

Figures 179 through 183 show the mobile profile, editable profile information, personal details, activity logs, and settings. Patients can maintain account information, review recorded account actions, and access security and notification controls.

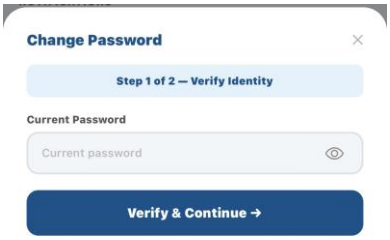


Figure 184. Change Password - Verify Identity (Mobile)

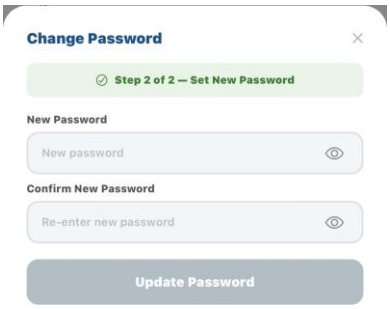


Figure 185. Change Password - Set New Password (Mobile)

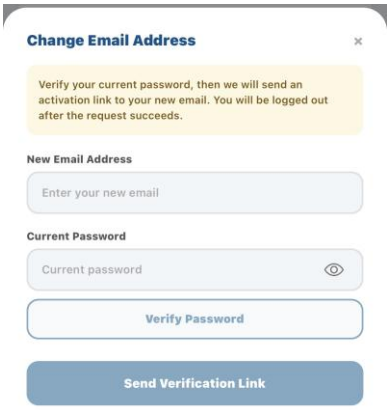


Figure 186. Change Email Address (Mobile)

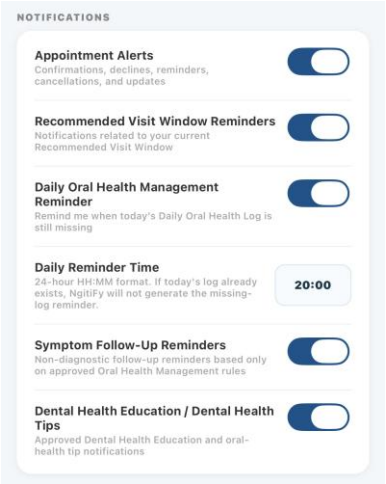


Figure 187. Notification Settings (Mobile)

Figures 184 through 187 show mobile security and notification settings. Users can verify their identity and set a new password, request an email-address change, and choose which appointment, visit-window, oral-health, symptom, and education reminders are enabled.