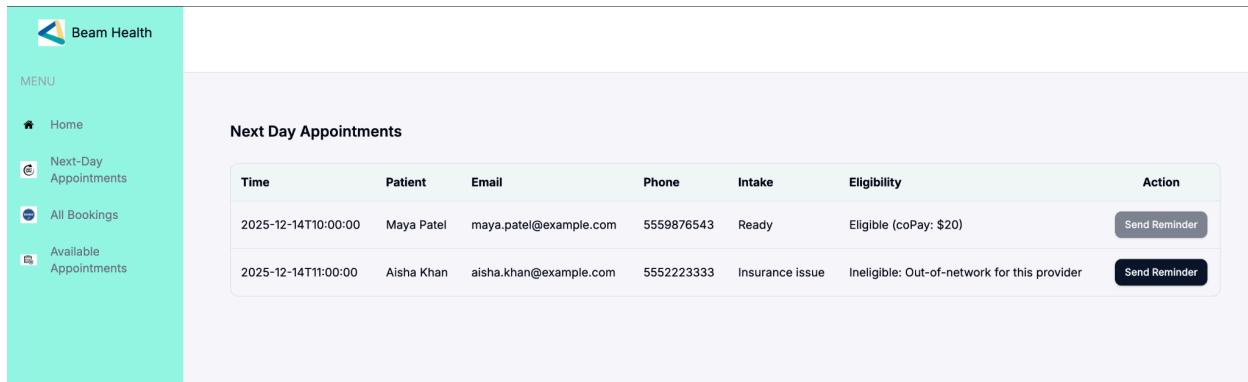

Test Case - 1: Load Next-Day Intake Worklist

Description

Verify that the Next-Day Intake Worklist loads successfully and displays booked appointments for the upcoming day.

Expected Result

- Table renders without errors
- Appointments show patient details, intake status, and eligibility



The screenshot shows the Beam Health application interface. On the left, there is a teal sidebar with the 'Beam Health' logo at the top. Below it, a 'MENU' section contains four items: 'Home' (with a house icon), 'Next-Day Appointments' (with a calendar icon), 'All Bookings' (with a person icon), and 'Available Appointments' (with a list icon). The main content area has a light gray background and is titled 'Next Day Appointments'. It features a table with the following data:

Time	Patient	Email	Phone	Intake	Eligibility	Action
2025-12-14T10:00:00	Maya Patel	maya.patel@example.com	5559876543	Ready	Eligible (coPay: \$20)	<button>Send Reminder</button>
2025-12-14T11:00:00	Aisha Khan	aisha.khan@example.com	5552223333	Insurance issue	Ineligible: Out-of-network for this provider	<button>Send Reminder</button>

Test Case - 2: Intake & Eligibility Display Side-by-Side

Description

Verify that intake readiness and insurance eligibility are shown together for each appointment.

Expected Result

- Intake status (Ready / Missing forms / Insurance issue) is visible
- Eligibility context (Eligible / Ineligible + reason) is visible

Intake	Eligibility	Action
Ready	Eligible (coPay: \$20)	Send Reminder
Insurance issue	Ineligible: Out-of-network for this provider	Send Reminder

Test Case - 3: Disable Send Reminder for Ready Patients

Description

Verify that the **Send Reminder** button is disabled for patients whose intake status is **Ready**.

Expected Result

- Button appears disabled
- User cannot trigger reminder for Ready patients

Time	Patient	Email	Phone	Intake	Eligibility	Action
2025-12-14T10:00:00	Maya Patel	maya.patel@example.com	5559876543	Ready	Eligible (coPay: \$20)	Send Reminder

Test Case - 4: Enable Send Reminder for Non-Ready Patients

Description

Verify that the **Send Reminder** button is enabled for patients with missing intake forms or insurance issues.

Expected Result

- Button is enabled
- Clicking triggers reminder action



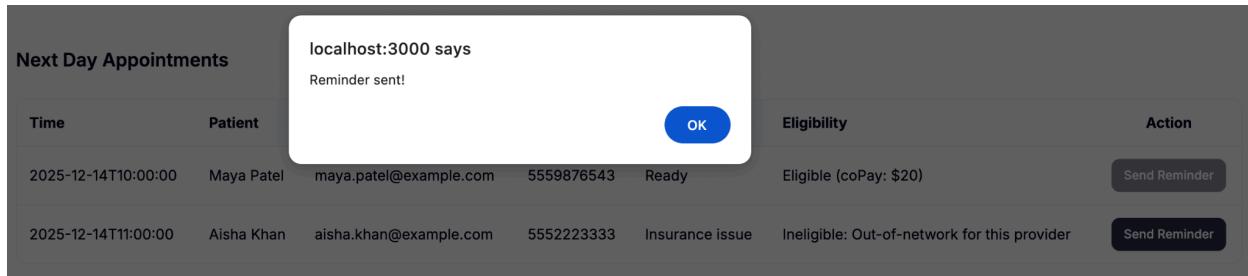
Test Case - 5: Trigger Reminder API Successfully

Description

Verify that clicking **Send Reminder** calls the reminder API with the correct appointment ID.

Expected Result

- POST request sent to /beam/reminders/send-one
- Success confirmation shown



Test Case - 6: Daily Cron Job Execution

Description

Verify that the daily cron job runs at the scheduled time and processes next-day booked appointments.

Expected Result

- Job triggers automatically
- Eligible patients receive reminder emails

```

[Nest] 37554 - 12/13/2025, 10:55:11 PM    LOG [RouterExplorer] Mapped {/beam/appointments/available, GET} route +0ms
[Nest] 37554 - 12/13/2025, 10:55:11 PM    LOG [RouterExplorer] Mapped {/beam/appointments/intake-worklist, GET} route +0ms
[Nest] 37554 - 12/13/2025, 10:55:11 PM    LOG [RoutesResolver] RemindersController {/beam/reminders}: +1ms
[Nest] 37554 - 12/13/2025, 10:55:11 PM    LOG [RoutesResolver] PatientsController {/beam/patients}: +0ms
[Nest] 37554 - 12/13/2025, 10:55:11 PM    LOG [RouterExplorer] Mapped {/beam/patients/getAllPatients, GET} route +0ms
[Nest] 37554 - 12/13/2025, 10:55:11 PM    LOG [RouterExplorer] Mapped {/beam/patients/count, GET} route +0ms
[Nest] 37554 - 12/13/2025, 10:55:11 PM    LOG [RouterExplorer] Mapped {/beam/patients/getPatientInsuranceByid:id/insurance, GET} route +0ms
[Nest] 37554 - 12/13/2025, 10:55:11 PM    LOG [RoutesResolver] InsurancesController {/beam/insurances}: +0ms
[Nest] 37554 - 12/13/2025, 10:55:11 PM    LOG [RouterExplorer] Mapped {/beam/insurances/getAllInsurances, GET} route +0ms
[Nest] 37554 - 12/13/2025, 10:55:11 PM    LOG [RouterExplorer] Mapped {/beam/insurances/count, GET} route +0ms
[Nest] 37554 - 12/13/2025, 10:55:11 PM    LOG [NestApplication] Nest application successfully started +5ms
*****Cron triggered*****
[Nest] 37554 - 12/13/2025, 10:56:00 PM    LOG [RemindersService] Running reminder job for tomorrow appointments...
[Nest] 37554 - 12/13/2025, 10:56:00 PM    LOG [AppointmentsService] [findNextDayAppointmentsWithPatientStatus] start | tomorrow=2025-12-14 | totalAppointments=57
[Nest] 37554 - 12/13/2025, 10:56:00 PM    LOG [AppointmentsService] [findNextDayAppointmentsWithPatientStatus] filtered booked appointments | tomorrow=2025-12-14 | bookedTomorrowCount=2
[Nest] 37554 - 12/13/2025, 10:56:00 PM    DEBUG [AppointmentsService] [findNextDayAppointmentsWithPatientStatus] built intake row | appointmentId=3 | patientId=2 | intakeReady | eligibility=Eligible (coPay: $20)
[Nest] 37554 - 12/13/2025, 10:56:00 PM    DEBUG [AppointmentsService] [findNextDayAppointmentsWithPatientStatus] built intake row | appointmentId=5 | patientId=4 | intakeInsuranceIssue | eligibility=Ineligible: Out-of-network for this provider
[Nest] 37554 - 12/13/2025, 10:56:01 PM    LOG [LlmService] Building reminder email for appointmentId=3, patient=Maya Patel
API key= sk-proj-8xb11TfxUZtCVFjBgl3mNRjpeXyCarrT4XKSuS3kh5fDbJKeZP4XTtvfffXDKNHlgam5envT3BlbkFJch4PAy65pfWvge6WahGTramf6cfTL8LlTinRut_1ezkB
Y4UH4jc0F0x_0FWlM3hYRwk_ZvhcA
[Nest] 37554 - 12/13/2025, 10:56:01 PM    DEBUG [LlmService] Calling OpenAI for appointmentId=3 (model=gpt-4.1-mini)
Message sent: <6101804b-c236-ca98-e08d-e5e9f4221a26@beam-demo.com>
[Nest] 37554 - 12/13/2025, 10:56:02 PM    LOG [RemindersService] Reminder sent to 2 (maya.patel@example.com) for appt #3
[Nest] 37554 - 12/13/2025, 10:56:03 PM    LOG [LlmService] Building reminder email for appointmentId=5, patient=Aisha Khan

```

Test Case - 7: AI-Generated Reminder Content

Description

Verify that reminder email content is generated using the OpenAI API.

Expected Result

- Email body is generated dynamically
- Content reflects intake context

```

[Nest] 38180 - 12/13/2025, 11:08:00 PM    LOG [AppointmentsService] [findNextDayAppointmentsWithPatientStatus] start | tomorrow=2025-12-14 | totalAppointments=57
[Nest] 38180 - 12/13/2025, 11:08:00 PM    LOG [AppointmentsService] [findNextDayAppointmentsWithPatientStatus] filtered booked appointments | tomorrow=2025-12-14 | bookedTomorrowCount=2
[Nest] 38180 - 12/13/2025, 11:08:00 PM    DEBUG [AppointmentsService] [findNextDayAppointmentsWithPatientStatus] built intake row | appointmentId=3 | patientId=2 | intakeReady | eligibility=Eligible (coPay: $20)
[Nest] 38180 - 12/13/2025, 11:08:00 PM    DEBUG [AppointmentsService] [findNextDayAppointmentsWithPatientStatus] built intake row | appointmentId=5 | patientId=4 | intakeInsuranceIssue | eligibility=Ineligible: Out-of-network for this provider
[Nest] 38180 - 12/13/2025, 11:08:01 PM    LOG [LlmService] Building reminder email for appointmentId=3, patient=Maya Patel
API key= sk-proj-mfRpCfpugLEPU8EM_KWG75Y1-fCTjI_ETvKTjtPd5oVlNTnvCcSq6Usdg-6dluAcPLTqOKUipt3BlbkFJf_fxPryHrp9Lcth_F8kuuACX_jlNmmpWgn5semJV1jLRw4pevB4Gbdbe02JdkhEn06JjtjwT0A
[Nest] 38180 - 12/13/2025, 11:08:01 PM    DEBUG [LlmService] Calling OpenAI for appointmentId=3 (model=gpt-4.1-mini)
Message sent: <b8cc0ee3-8217-aa1d-072f-bb56c6b82e85@beam-demo.com>
[Nest] 38180 - 12/13/2025, 11:08:02 PM    LOG [RemindersService] Reminder sent to 2 (maya.patel@example.com) for appt #3
[Nest] 38180 - 12/13/2025, 11:08:03 PM    LOG [LlmService] Building reminder email for appointmentId=5, patient=Aisha Khan
API key= sk-proj-mfRpCfpugLEPU8EM_KWG75Y1-fCTjI_ETvKTjtPd5oVlNTnvCcSq6Usdg-6dluAcPLTqOKUipt3BlbkFJf_fxPryHrp9Lcth_F8kuuACX_jlNmmpWgn5semJV1jLRw4pevB4Gbdbe02JdkhEn06JjtjwT0A
[Nest] 38180 - 12/13/2025, 11:08:03 PM    DEBUG [LlmService] Calling OpenAI for appointmentId=5 (model=gpt-4.1-mini)
[Nest] 38180 - 12/13/2025, 11:08:04 PM    ERROR [Scheduler] Error: Data command failed: 550 5.7.0 Too many emails per second. Please upgrade your

```

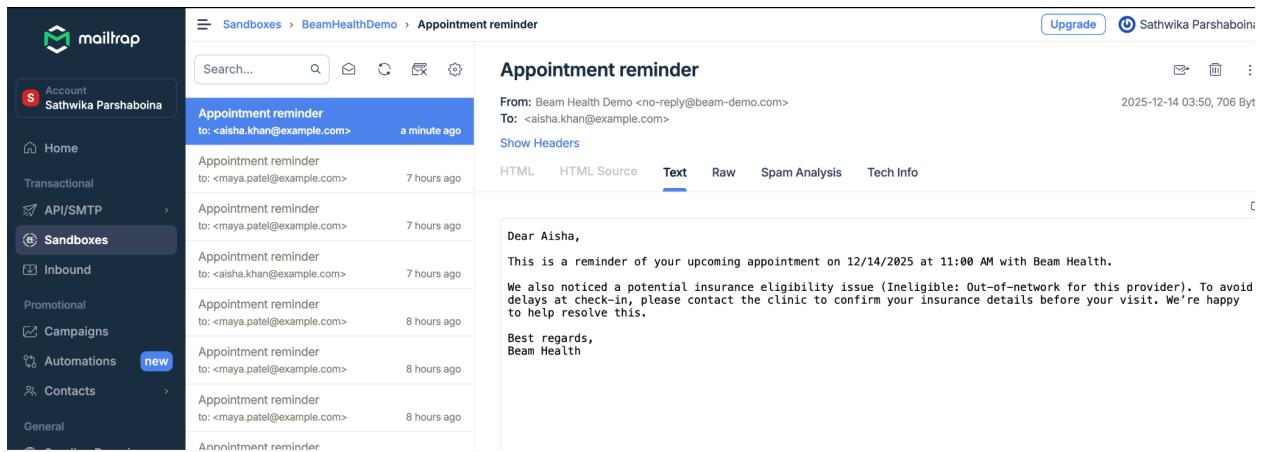
Test Case - 8: Email Delivered to Mailtrap Inbox

Description

Verify that reminder emails are delivered successfully to the Mailtrap sandbox inbox.

Expected Result

- Email appears in Mailtrap inbox
- Correct subject and body content



The screenshot shows the Mailtrap web interface. On the left, there's a sidebar with navigation links: Account (Sathwika Parshaboina), Home, Transactional, API/SMTP, Sandboxes (which is selected and highlighted in blue), Inbound, Promotional, Campaigns, Automations (with a 'new' badge), Contacts, and General. The main content area has a header: Sandboxes > BeamHealthDemo > Appointment reminder. It includes a search bar, filter icons, and user info (Upgrade, Sathwika Parshaboina). Below the header is a table of emails:

Subject	To	Sent Ago
Appointment reminder	to: <aisha.khan@example.com>	a minute ago
Appointment reminder	to: <maya.patel@example.com>	7 hours ago
Appointment reminder	to: <maya.patel@example.com>	7 hours ago
Appointment reminder	to: <aisha.khan@example.com>	7 hours ago
Appointment reminder	to: <maya.patel@example.com>	8 hours ago
Appointment reminder	to: <maya.patel@example.com>	8 hours ago
Appointment reminder	to: <maya.patel@example.com>	8 hours ago
Appointment reminder	to: <maya.patel@example.com>	8 hours ago
Appointment reminder	to: <maya.patel@example.com>	8 hours ago
Appointment reminder	to: <maya.patel@example.com>	8 hours ago

The right side of the screen shows the details of the first email in the list, titled "Appointment reminder". The "Text" tab is selected. The email content is as follows:

Dear Aisha,

This is a reminder of your upcoming appointment on 12/14/2025 at 11:00 AM with Beam Health.

We also noticed a potential insurance eligibility issue (Ineligible: Out-of-network for this provider). To avoid delays at check-in, please contact the clinic to confirm your insurance details before your visit. We're happy to help resolve this.

Best regards,
Beam Health