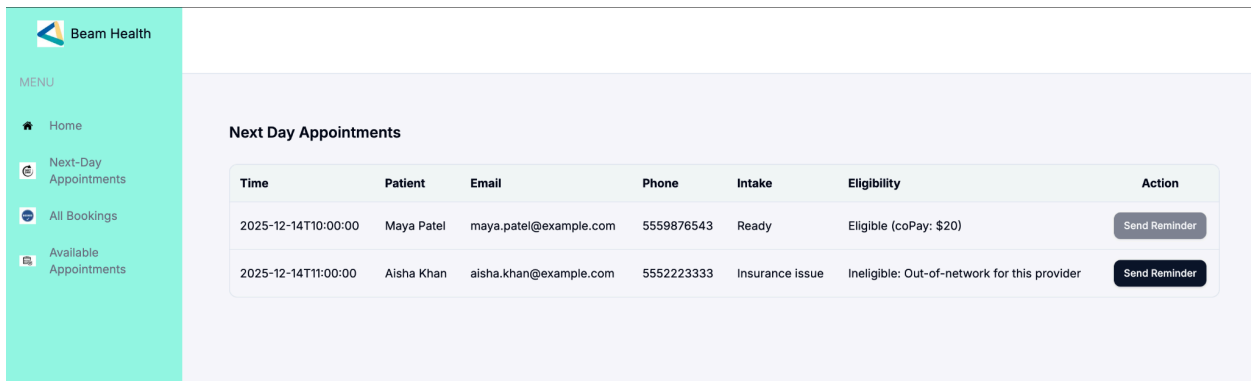

Test Case - 1: Load Next-Day Intake Worklist

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 is a teal sidebar with the 'Beam Health' logo and a 'MENU' section containing links for 'Home', 'Next-Day Appointments' (which is highlighted), 'All Bookings', and 'Available Appointments'. The main content area is titled 'Next Day Appointments' and features a table with two rows of appointment data. Each row includes a 'Time' slot, patient information (Name, Email, Phone), an 'Intake' status, an 'Eligibility' status with a reason, and an 'Action' column with a 'Send Reminder' button.

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)	<button>Send Reminder</button>
Insurance issue	Ineligible: Out-of-network for this provider	<button>Send Reminder</button>

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)	<button>Send Reminder</button>

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

2025-12-14T11:00:00	Aisha Khan	aisha.khan@example.com	5552223333	Insurance issue	Ineligible: Out-of-network for this provider	Send Reminder
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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

Next Day Appointments		localhost:3000 says Reminder sent!				
Time	Patient			OK	Eligibility	Action
2025-12-14T10:00:00	Maya Patel	maya.patel@example.com	5559876543	Ready	Eligible (coPay: \$20)	Send Reminder
2025-12-14T11:00:00	Aisha Khan	aisha.khan@example.com	5552223333	Insurance issue	Ineligible: Out-of-network for this provider	Send Reminder

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/booked, GET} route +0ms
[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 [RouterExplorer] Mapped {/beam/reminders/send-one, POST} route +0ms
[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 | t
otalAppointments=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 | appointmentI
d=3 | patientId=2 | intake=Ready | eligibility=Eligible (coPay: $20)
[Nest] 37554 - 12/13/2025, 10:56:00 PM DEBUG [AppointmentsService] [findNextDayAppointmentsWithPatientStatus] built intake row | appointmentI
d=5 | patientId=4 | intake=Insurance issue | 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-8xb11TtfXUZtCVfjBgL3mNHRjpeXyCarrT4XKSzuS3kh5fDbJKeZP4XTtvfffxDkNHLgamSenvT3BlbkFJch4PAy6S7pfWvge6WahGTraMf6cFTL8LLtinRut_1ezkB
Y4UH4jc0FQx_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: <61018b4b-c236-ca98-e08d-d5e9f4221a26@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 [RemindersService] Running reminder job for tomorrow appointments...
[Nest] 38180 - 12/13/2025, 11:08:00 PM LOG [AppointmentsService] [findNextDayAppointmentsWithPatientStatus] start | tomorrow=2025-12-14 | t
otalAppointments=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 | appointmentI
d=3 | patientId=2 | intake=Ready | eligibility=Eligible (coPay: $20)
[Nest] 38180 - 12/13/2025, 11:08:00 PM DEBUG [AppointmentsService] [findNextDayAppointmentsWithPatientStatus] built intake row | appointmentI
d=5 | patientId=4 | intake=Insurance issue | 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_ETvKLTjbPd5oVINTnVccSq6UsgD-6DluAcPLTq0kUipT3BlbkFJf_fxPryHrpd9LctH_F8kuuACX_jlNmmqWgn5semJV1jLR
w4pevB4GbDe02JqkhEn06j1tjwT0A
[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_ETvKLTjbPd5oVINTnVccSq6UsgD-6DluAcPLTq0kUipT3BlbkFJf_fxPryHrpd9LctH_F8kuuACX_jlNmmqWgn5semJV1jLR
w4pevB4GbDe02JqkhEn06j1tjwT0A
[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 displays the Mailtrap web interface. On the left is a dark sidebar with navigation options: Home, Transactional, API/SMTP, Sandboxes (selected), Inbound, Promotional, Campaigns, Automations, and Contacts. The main area is divided into three sections. The top section shows the breadcrumb path: Sandboxes > BeamHealthDemo > Appointment reminder. Below this is a search bar and a list of emails. The selected email, 'Appointment reminder' from 'aisha.khan@example.com', is highlighted. The bottom section shows the email's content in 'Text' view. The email header includes 'From: Beam Health Demo' and 'To: aisha.khan@example.com'. The body text reads: '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'.

Appointment reminder

From: Beam Health Demo <no-reply@beam-demo.com>
To: aisha.khan@example.com

2025-12-14 03:50, 706 Byt

Show Headers

HTML HTML Source **Text** Raw Spam Analysis Tech Info

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