



# PROJECT REPORT

SPRINT 3 - iVision

**PRESENTED BY:**

Ngoc Nguyen, Thanh Nguyen, Hoang Vu, Nhut Vo



# Agenda

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Summary



# Sprint 1 -Recap

- Prototype to validate direction
- Vision: eye clinic web for 3 roles
- Foundation: structure & navigation
- Chatbot AI

The image shows a screenshot of the iVision Clinic website. The top navigation bar includes links for HOME, ABOUT, SERVICES, NEWS, CONTACT, and a prominent blue 'BOOK AN APPOINTMENT' button. The main content area features a large banner with a doctor examining a patient's eye. A 'Welcome' message and 'Welcome to iVision Clinic' are displayed, along with a 'Book An Appointment' button. A chatbot window titled 'iVision Clinic Assistant' is open, with a message from the bot: 'Hello! 🌟 I'm the iVision Clinic assistant. How can we help you today?'. Below the banner, a sidebar shows 'Today's Appointments 0' and a 'Today's Schedule' section indicating 'No appointments'. The main dashboard area shows a doctor profile for 'Elias Korhonen' (doctor1@clinic.com), with a 'Dashboard' button. Other navigation options include 'Appointments', 'Patients', 'Availability', and 'My Profile'.

Call (000) 123-4567

Mon-Fri: 9AM-5PM, Sat: 9AM-12PM

Myllypurontie 1, Helsinki

Login

**Vision**

HOME ABOUT SERVICES NEWS CONTACT

BOOK AN APPOINTMENT

Welcome

Welcome to iVision Clinic

Your Partner in Clear Vision and Eye Health

Book An Appointment

Appointments are 60 minutes long. Please arrive 10 minutes early to complete any necessary paperwork. If you need to cancel or reschedule, please contact us at least 24 hours in advance.

Select a Service

... Choose a Service ...

Select a Doctor

... Choose a Doctor ...

Select a Date

December 2025

Su	Mo	Tu	We	Th	Fr	Sa
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

Selected Date: Wednesday, December 10, 2025

Available Time Slots

Wednesday, December 10, 2025

No schedule available for this doctor on this date.

9:00 AM - 10:00 AM	60 minutes	Booked
10:00 AM - 11:00 AM	60 minutes	Booked
11:00 AM - 12:00 PM	60 minutes	Booked
12:00 PM - 1:00 PM	60 minutes	Booked
1:00 PM - 2:00 PM	60 minutes	Booked
2:00 PM - 3:00 PM	60 minutes	Booked
3:00 PM - 4:00 PM	60 minutes	Booked
4:00 PM - 5:00 PM	60 minutes	Booked

Available

Booked

iVision Clinic Assistant

Hello! 🌟 I'm the iVision Clinic assistant. How can we help you today?

Ask about services, symptoms, or

Send

iVision Clinic Assistant

Today's Appointments 0

Today's Schedule

Your appointments for today

No appointments

Elias Korhonen

doctor1@clinic.com

Dashboard

Appointments

Patients

Availability

My Profile

Upcoming Appointments

Next scheduled appointments

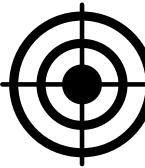
John Doe confirmed

Eyeglasses & Frames

# Sprint 3 -

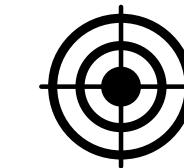
## Goals

Make the prototype fully integrated with real data, auth, and AI.



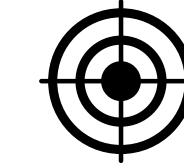
### Front-end

Connect UI to real APIs (no mock data).



### Back-end

Finalize core APIs + add auth & protected routes.



### AI

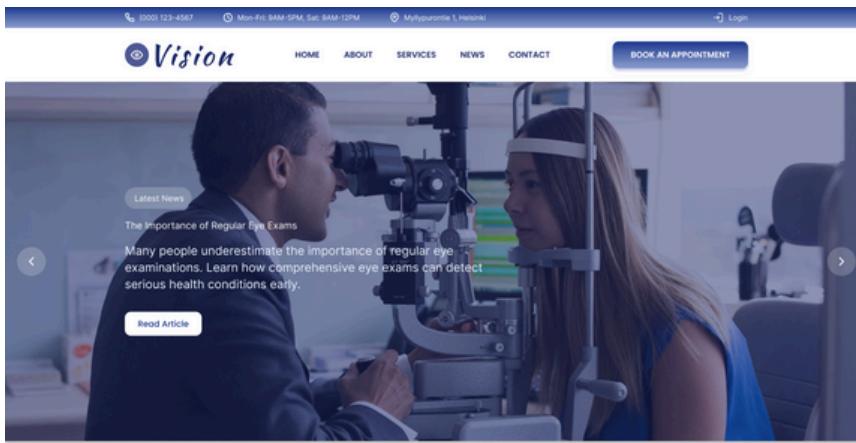
Plug LLM endpoint into the chatbox.



# Front-End & Alignment with Sprint 1

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# Figma Design



## WELCOME TO VISION CLINIC

Your trusted partner for comprehensive eye care services. We combine advanced technology with compassionate care to protect and enhance your vision.

- Comprehensive Eye Exams
- 25+ Years of Excellence
- Patient-Centered Care

### Why Choose Us?

At Vision Clinic, we understand that your eyes are precious. That's why we're committed to providing the highest standard of eye care with a personal touch.

- Board-certified optometrists and ophthalmologists
- State-of-the-art diagnostic equipment
- Comprehensive range of services for all ages
- Flexible scheduling and convenient location

[Learn more about us](#)



### Our Services

From routine eye exams to advanced surgical procedures, we offer comprehensive eye care solutions for your entire family.

- Eye Examinations
- Eyeglasses & Contact Lenses
- Advanced Eye Care

[View All Services](#)

### Ready to Schedule Your Appointment?

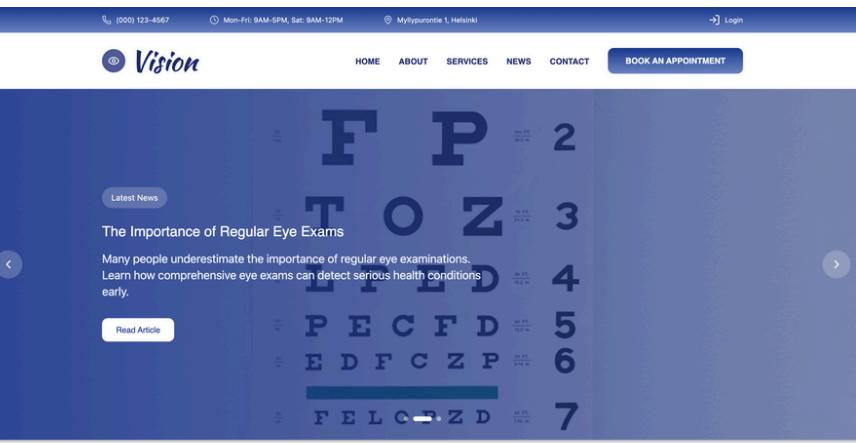
Take the first step towards better vision. Our friendly team is ready to help you.

[Book An Appointment](#)

[Contact Us](#)



# Version 1



## WELCOME TO VISION CLINIC

Your trusted partner for comprehensive eye care services. We combine advanced technology with compassionate care to protect and enhance your vision.

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- Contact Lenses

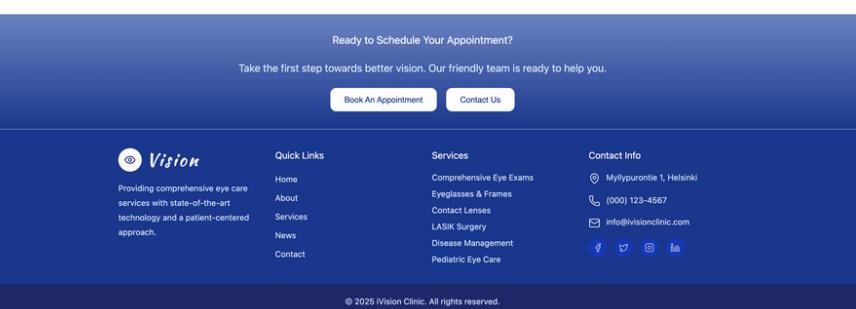
[View All Services](#)

### Ready to Schedule Your Appointment?

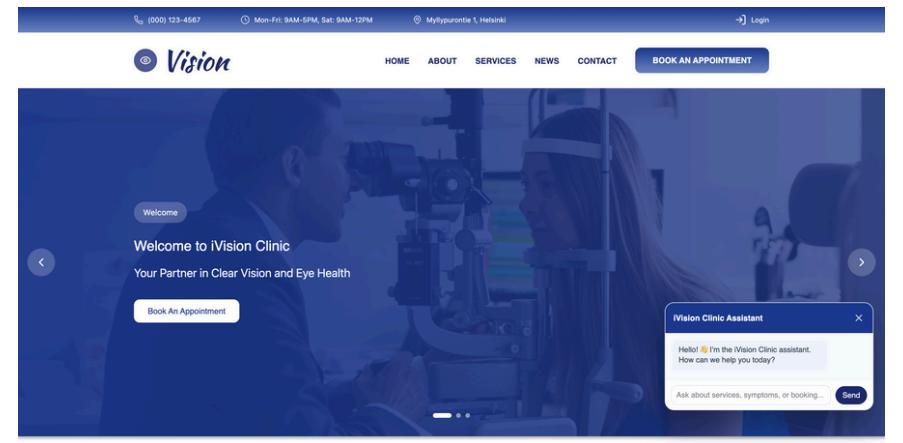
Take the first step towards better vision. Our friendly team is ready to help you.

[Book An Appointment](#)

[Contact Us](#)



# Version 2



## WELCOME TO VISION CLINIC

Your trusted partner for comprehensive eye care services. We combine advanced technology with compassionate care to protect and enhance your vision.

- Comprehensive Eye Exams
- 25+ Years of Excellence
- Patient-Centered Care

### Why Choose Us?

At Vision Clinic, we understand that your eyes are precious. That's why we're committed to providing the highest standard of eye care with a personal touch.

- Board-certified optometrists and ophthalmologists
- State-of-the-art diagnostic equipment
- Comprehensive range of services for all ages
- Flexible scheduling and convenient location

[Learn more about us](#)



### Our Services

From routine eye exams to advanced surgical procedures, we offer comprehensive eye care solutions for your entire family.

- Eyeglasses & Frames
- Contact Lenses
- LASIK Surgery

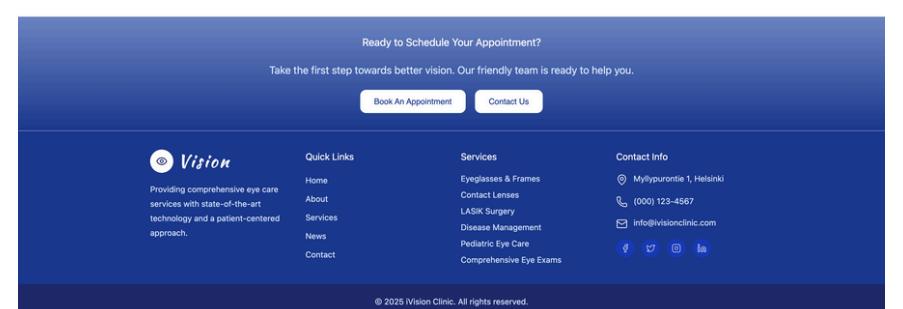
[View All Services](#)

### Ready to Schedule Your Appointment?

Take the first step towards better vision. Our friendly team is ready to help you.

[Book An Appointment](#)

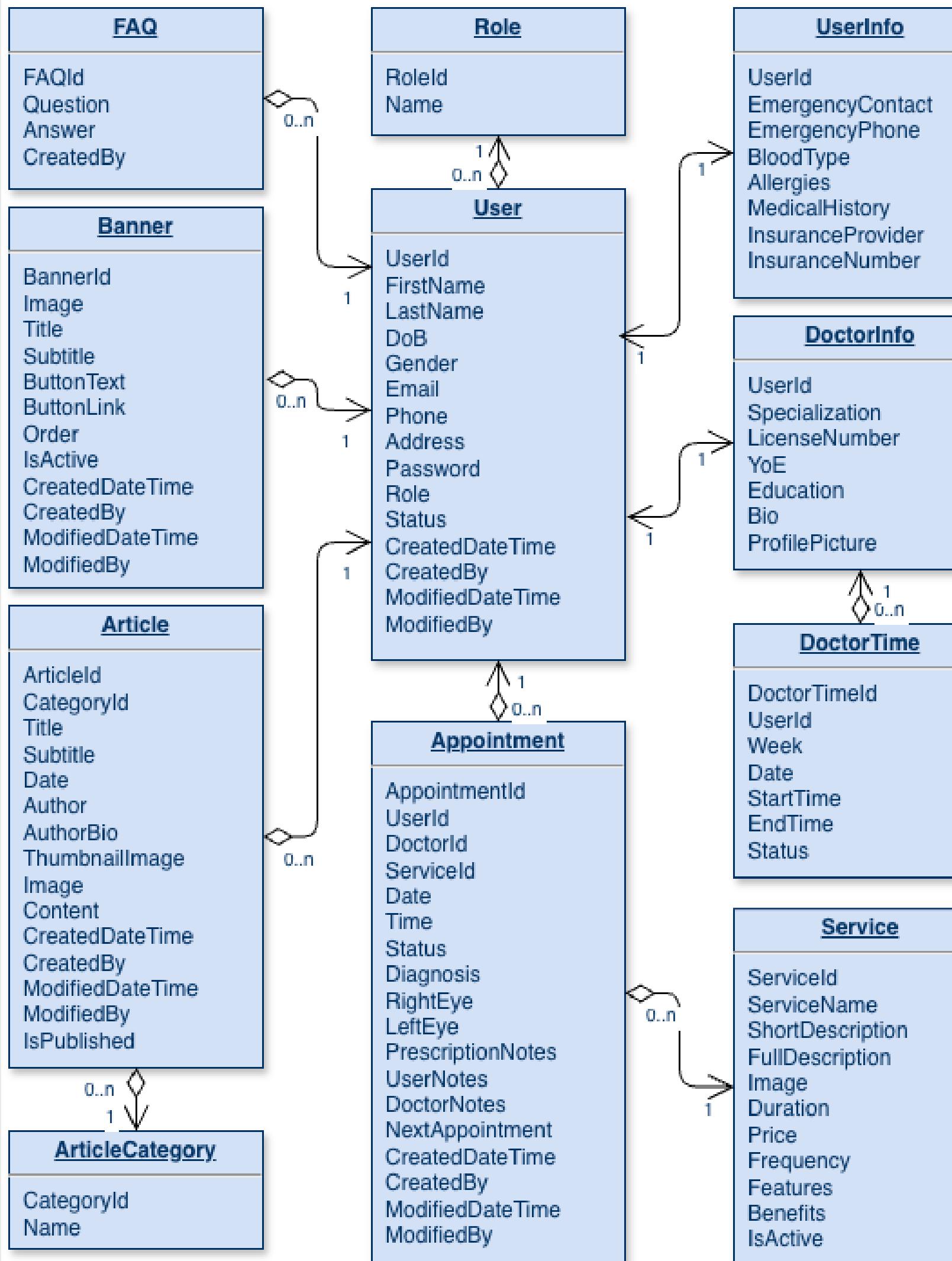
[Contact Us](#)



# **Back-End & Alignment with Sprint 1**

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# Database



# Code

```

// GET /api/appointments/:appointmentId
router.get("/:appointmentId", requireAuth, ctrl.getById);

// POST /api/appointments
router.post("/", requireAuth, ctrl.create);

// PUT /api/appointments/:appointmentId
router.put("/:appointmentId", requireAuth, ctrl.update);

// GET /api/doctor-time/user/:userId/week/:week
router.get("/user/:userId/week/:week", requireAuth, requireRole("doctor", "admin"));

// POST /api/doctor-time
// - Doctor: create their own schedule
// - Admin: create for any doctor
router.post("/", requireAuth, requireRole("doctor", "admin"), ctrl.create);

// Public
// GET /api/services?q=kw&isActive=true
router.get("/", ctrl.getAll);

// GET /api/services/:serviceId
router.get("/:serviceId", ctrl.getById);

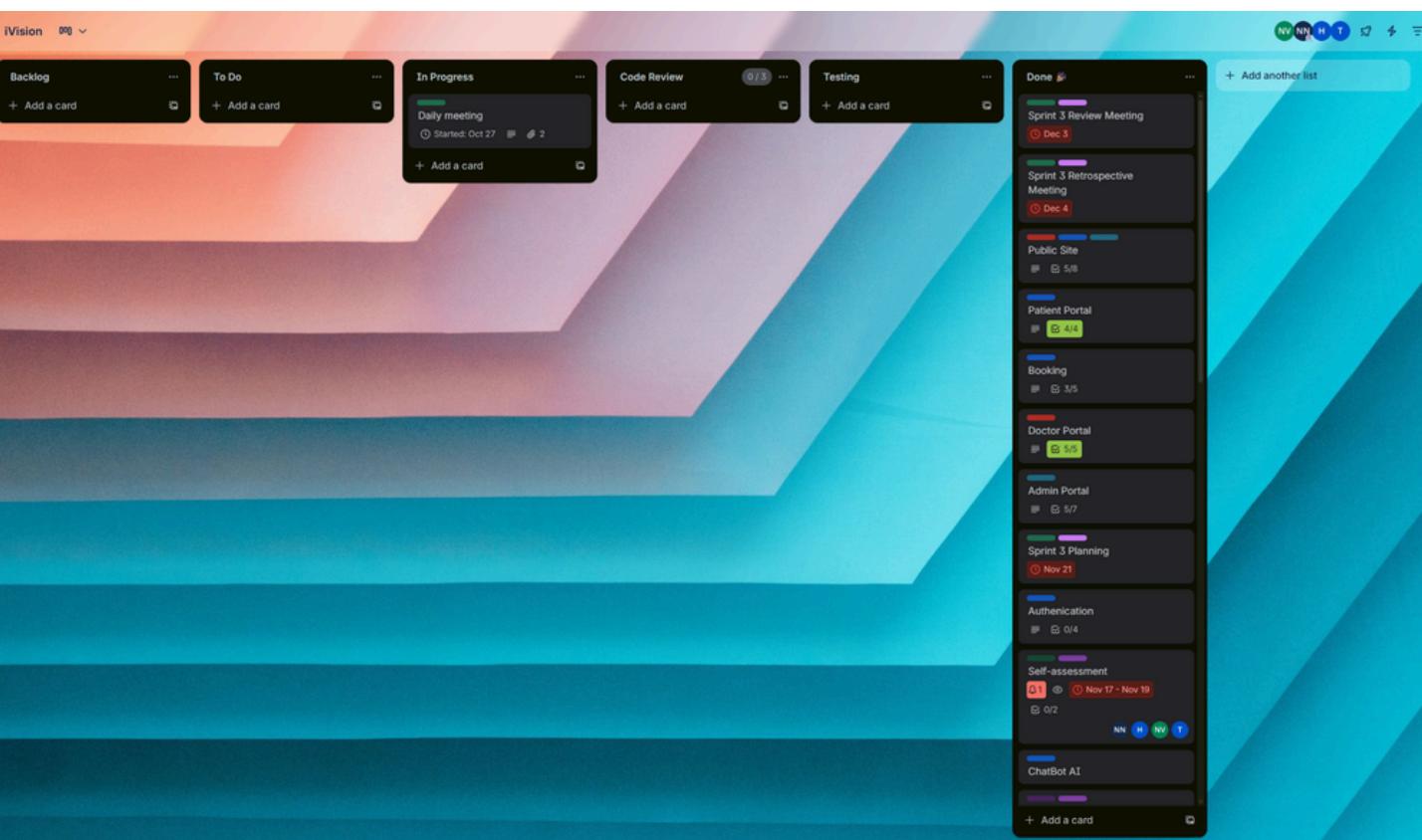
// Admin-only
// POST /api/services
router.post("/", requireAuth, requireRole("admin"), ctrl.create);

// PUT /api/services/:serviceId
router.put("/:serviceId", requireAuth, requireRole("admin"), ctrl.update);

// DELETE /api/services/:serviceId
router.delete("/:serviceId", requireAuth, requireRole("admin"), ctrl.remove);
  
```

**Test Suites:** 8 passed, 8 total  
**Tests:** 89 passed, 89 total  
**Snapshots:** 0 total  
**Time:** 0.893 s

# Sprint Ceremonies



**Daily Scrum and Tasks tracked by Trello**

## Like

- Strong FE-BE integration progress
- Real APIs replaced mock data
- AI chatbox added to the UI

## Learned

- Better auth flow implementation
- Clearer API contract alignment
- Improved handling of edge cases

## Lacked

- More time for testing
- Final UI polish across modules

## Longed

- Earlier API agreement to reduce rework
- More time for automation tests
- More time to refine the chatbot experience

## Sprint Retrospective

# Team Contributions

# Ngoc - Scrum Master

Managed sprint process/tools; built main React layout/routing; implemented and connected News, Appointment flow, and Admin modules to APIs.

Activity	
Showing most recent first ▾	
ngoc	All activity
nguynpc	All time
Add SelfAssessment	...
nguynpc pushed 6 commits · 5776286...7667148 · yesterday	...
Merge branch 'main' of https://github.com/nguynpc/web-project into ngoc	...
nguynpc pushed 3 commits · 2127631...5776286 · yesterday	...
Merge branch 'main' into ngoc	...
nguynpc pushed 9 commits · 7466219...2127631 · yesterday	...
Fix UI	...
nguynpc pushed 1 commit · 88413c9...7662219 · yesterday	...
Fix UI style	...
nguynpc pushed 1 commit · 7954a09...88413c9 · 2 days ago	...
Update Frontend	...
nguynpc pushed 1 commit · ce96f12...7954a09 · 2 days ago	...
Update Admin Dashboard - Profile, About us - Doctor Section	...
nguynpc pushed 1 commit · 0101977...aef0f1c · 4 days ago	...
Update Book Appointment load Doctor and Doctor Time, Update User Dash...	...
nguynpc pushed 1 commit · 3ad681b...2020777 · 4 days ago	...
Check appointment conflict before create/update	...
nguynpc pushed 8 commits · 34ca300...3ad681b · 4 days ago	...
Fix FA actions	...
nguynpc pushed 2 commits · aef0a33...34ca300 · 5 days ago	...
Fix Header and load token from localStorage for all services in Admin...	...
nguynpc pushed 4 commits · aac8f08...aef0a33 · 5 days ago	...
Remove node_modules	...
nguynpc pushed 10 commits · ad44f15...aac8f08 · 6 days ago	...
Update Admin Dashboard - Users Management	...
nguynpc pushed 2 commits · 056c162...ad44f15 · 6 days ago	...
Fix Banners management, Update Services Management	...
nguynpc pushed 1 commit · c20464a...586d162 · 6 days ago	...
Load dynamic News (Articles) from DB	...
nguynpc pushed 1 commit · b2b0ff0...c234a94 · 6 days ago	...
Update Article model (add author, readTime field) and Banner Controll...	...
nguynpc pushed 14 commits · 95d7a62...b37fcf4 · 6 days ago	...
Fix Add/Delete banner - Admin Dashboard	...
nguynpc pushed 1 commit · ad20204...587d4a2 · 6 days ago	...
Merge branch 'main' of https://github.com/nguynpc/web-project into ngoc	...
nguynpc pushed 6 commits · 056d40d...ad20204 · 8 days ago	...
Load homepage banners dynamic, and update Admin Dashboard - Banners M...	...
nguynpc pushed 1 commit · d52ca83...056d40d · 8 days ago	...
Add banners data and update Banner model/controller	...
nguynpc pushed 13 commits · 2178882...d52ca83 · 8 days ago	...
Update Services Page Service Details Page to load data dynamic from db	...
nguynpc pushed 1 commit · 053840d...2178882 · 9 days ago	...
Add initial data for services	...
nguynpc pushed 12 commits · b232d3f...053840d · 9 days ago	...
Remove package-lock.json	...
nguynpc pushed 1 commit · 1a42453...b234d93 · 18 days ago	...
Add Self Assessment - Sprint 2	...
nguynpc pushed 15 commits · 1481046...5342453 · 18 days ago	...
Fix Responsive	...
nguynpc pushed 1 commit · 91e8d08...f6d1f40 · 19 days ago	...
Fix responsive	...
nguynpc pushed 2 commits · 9cc7eaa...91e8d08 · 19 days ago	...
Revert to previous version	...
nguynpc pushed 1 commit · 20d90a...9cc7eaa · 19 days ago	...
Resolve conflict	...
nguynpc pushed 7 commits · 6a0e886...20d90a · 19 days ago	...
Update Book Appointment Flow, fix responsive	...
nguynpc pushed 1 commit · e653c23...6a0e886 · 19 days ago	...
Resolve conflict	...
nguynpc pushed 9 commits · 6f95891...aef0f1c · 19 days ago	...

# hanh - Full Stack Dev

designed early UI/UX; developed key  
user/doctor-facing pages and dashboards;  
user connected Service, Contact,  
Login/Register, User Profile, Appointments,  
Prescriptions with APIs.

## Thanh - Full Stack Dev

## Whut - Product Owner

Defined user stories & backlog; designed database and implemented core CRUD APIs; delivered auth + role-based access; integrated the AI chatbot on FE and signed sprint scope.

Activity

All branches ▾ All activity ▾ atuhthut ▾ All time ▾

Merge pull request #81 from nguyngchut (Pull request merge)  
atuhthut pushed 2 commits to main · 648806..648806 · 2 hours ago

docs sprint 3  
atuhthut pushed 1 commit to rhut · b445d0b..4c15c7f · 2 hours ago

Merge pull request #80 from nguyngchut (Pull request merge)  
atuhthut pushed 2 commits to main · e6792e7..648850d · 3 hours ago

docs  
atuhthut pushed 16 commits to rhut · a0f3ca6..b446d08 · 3 hours ago

Merge pull request #78 from nguyngchut (Pull request merge)  
atuhthut pushed 2 commits to main · 429502a..b867224 · yesterday

fix input date  
atuhthut pushed 1 commit to rhut · 91075d5..a063c6c · yesterday

Merge pull request #73 from nguyngchut (Pull request merge)  
atuhthut pushed 3 commits to main · e6281b7..5f9442c · yesterday

self-assessment Nhat  
atuhthut pushed 1 commit to rhut · e68328d..91075d5 · yesterday

FE and BE code evaluation  
atuhthut pushed 10 commits to rhut · e6d6d3b..e6d6d3b · yesterday

Merge pull request #70 from nguyngchut (Pull request merge)  
atuhthut pushed 2 commits to main · 2b942ef..370e005 · 2 days ago

API Doc  
atuhthut pushed 10 commits to rhut · 894141e..b0d6d83b · 2 days ago

chatbot FE  
atuhthut pushed 1 commit to rhut · fe12f20..894141e · 4 days ago

Merge pull request #64 from nguyngchut (Pull request merge)  
atuhthut pushed 2 commits to main · 3743524..2b70850 · 4 days ago

change password function  
atuhthut pushed 1 commit to rhut · daa1f02c..f9d12bf · 4 days ago

Merge pull request #53 from nguyngchut (Pull request merge)  
atuhthut pushed 2 commits to main · 1099465..3543254 · 5 days ago

get infer of doctor for public page  
atuhthut pushed 29 commits to rhut · 18954af..daff12c · 5 days ago

check and update Auth, clean up, update AI route.  
atuhthut pushed 1 commit to rhut · 940500..9e994af · 6 days ago

check and update Auth, clean up, update AI route  
atuhthut pushed 1 commit to rhut · 940660..580010d · 6 days ago

Merge pull request #52 from nguyngchut (Pull request merge)  
atuhthut pushed 2 commits to main · 0f9ab93..5c82f7c · 7 days ago

update auth  
atuhthut pushed 2 commits to rhut · a0f1304..94666c8 · 7 days ago

Merge pull request #50 from nguyngchut (Pull request merge)  
atuhthut pushed 3 commits to main · e407988..ne997f · 8 days ago

Merge branch 'main' into nhat  
atuhthut pushed 89 commits to rhut · 44064ead..a5f1304 · 8 days ago

authorized for user and doctor  
atuhthut pushed 1 commit to rhut · 1999487..4264ead · 8 days ago

update AI Backend (saved in MongoDB, polish instruction for AI  
atuhthut pushed 1 commit to rhut · 3f0977b..1999487 · 13 days ago

update docs  
atuhthut pushed 2 commits to rhut · 18d03b0..3f0977b · 18 days ago

update documents  
atuhthut pushed 1 commit to rhut · 7ufaf8a..c3b0d0c · 19 days ago

create folder for assessment and upload retrospective sprint 2  
atuhthut pushed 1 commit to rhut · 1623986..7ufaf8a · 19 days ago

update LLM and check DB  
atuhthut pushed 4 commits to rhut · e5f6109..9423098 · 20 days ago

fix database and add service  
atuhthut pushed 38 commits to rhut · e5085ed..e36f079 · 22 days ago

appointment and doctorTime  
atuhthut pushed 1 commit to rhut · 1623986..7ufaf8a · 22 days ago

## Hoang - Full Stack Dev

Built multiple MongoDB schemas + CRUD APIs; developed Doctor profile/availability and FAQ; contributed to API testing.

astervik pushed 1 commit to [main](#) · esstidss...esstidss · 22 days ago

[here](#) feedback about this page

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# Summary

## Delivered

- Prototype → Working product
- Real FE-BE APIs
- Auth + roles
- Core Patient/Admin flows
- AI chatbox

## Learned

- Early API alignment
- Better team sync
- Need more test time

## Future

- More tests
- UI polish
- Enhance chatbot

THANK  
YOU

10/12/2025

