



Uspark Backend API 1.0.0 OAS 3.0

API documentation for Uspark backend services

Servers

<https://two025s-rushhour.onrender.com> - staging server

Authorize

Admin Admin-related endpoints for managing doctor verification

POST

/api/admin/verify-doctor/{id}

Approve or reject doctor verification

Allows an admin to approve or reject a doctor's verification request.

Parameters

Try it out

Name	Description
id * required	Doctor's unique ID
string (path)	<div>id</div>

Request body required

application/json

Example Value

Schema

```
{
  "decision": "approved"
}
```

Responses

Code	Description	Links
200	Verification decision applied successfully	No links
404	Doctor not found	No links
500	Internal Server Error	No links

GET /api/admin/doctors Get list of all doctors



Fetches a list of all doctors and their verification status.

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	List of doctors retrieved successfully	No links

Media type

application/json

Controls Accept header.

Example Value Schema

```
[
  {
    "_id": "65f4c3bdf1a3d7a9e9a4d8c2",
    "userId": {
      "email": "doctor@example.com",
      "fullName": "Dr. John Doe"
    },
    "specialization": "Cardiology",
    "verificationStatus": "approved"
  }
]
```

Code	Description	Links
500	Internal Server Error	No links



Appointments

Endpoints for booking, viewing, updating, and deleting appointments

POST

/api/appointments

Book an appointment



Book a new appointment with a doctor

Parameters

Try it out

No parameters

Request body required

application/json

Example Value

Schema

```
{
  "doctorId": "65f4c3bdf1a3d7a9e9a4d8c2",
  "date": "2025-04-09",
  "startTime": "10:30",
  "reason": "Routine Checkup"
}
```

Responses

Code	Description	Links
201	Appointment booked and confirmation emails sent	No links
400	Missing fields or time slot already booked	No links
404	Doctor not found	No links
500	Failed to book appointment	No links

GET

/api/appointments

Get appointments for current user



Returns all appointments for the authenticated patient or doctor

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	List of appointments <div>Media type<div>application/json</div><div>Controls Accept header.</div></div> <div>Example ValueSchema<div>[{}]</div></div>	No links
403	Unauthorized role	No links
404	User or doctor not found	No links
500	Failed to fetch appointments	No links

PUT /api/appointments/{id} Reschedule an appointment



Update an existing appointment (only allowed by the patient who booked it)

Parameters

Try it out

id

Request body required

application/json

Example Value	Schema
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

```
{
  "date": "2025-04-15",
  "startTime": "14:00",
  "reason": "Follow-up"
}
```

Responses

Code	Description	Links
200	Appointment rescheduled and emails sent	No links
403	Unauthorized to update	No links
404	Appointment not found	No links
500	Failed to reschedule appointment	No links

DELETE `/api/appointments/{id}` Cancel an appointment



Deletes an appointment. Only the patient who booked or the doctor can delete.

Parameters



Try it out

Responses



Code	Description	Links
200	Appointment cancelled and emails sent	No links
403	Unauthorized to delete	No links
404	Appointment not found	No links
500	Failed to delete appointment	No links

Assessments



GET <code>/api/assessments</code> Get all assessments (chat history) for the logged-in user			 		
Parameters		Try it out			
No parameters					
Responses					
Code	Description	Links			
200	List of assessments	No links			
	Media type	application/json			
	Controls Accept header.				
	Example Value	Schema			

Code	Description	Links
	<pre>[{}]</pre>	
401	Unauthorized	No links
500	Server error	No links

DELETE /api/assessments/{id} Delete an assessment (chat history) by ID  

Parameters


Try it out

Name	Description
id * required string (path)	The ID of the assessment to delete

Responses

Code	Description	Links
200	Assessment deleted successfully	No links
401	Unauthorized	No links
404	Assessment not found	No links
500	Server error	No links

Authentication User authentication endpoints

POST /api/auth/login Login with email and password 

Authenticates a user and returns a JWT token.

Parameters

Try it out

No parameters

Request body required

application/json

Example Value

Schema

```
{  "email": "user@example.com",  "password": "securepassword"}  
```

Responses

Code	Description	Links
200	Successfully authenticated <div><div>Media type</div><div>application/json</div><div>Controls Accept header.</div><div><div>Example Value</div><div>Schema</div><div><pre>{ "token": "jwt_token_here"} </pre></div></div></div>	No links
400	Invalid credentials or missing fields	No links
500	Server error	No links

POST

/api/auth/oauth

OAuth authentication

^

Logs in a user via OAuth provider (Google, Facebook, etc.) and returns a JWT token.

Parameters

Try it out

No parameters

Request body

required

application/json

Example Value

Schema

```
{  "email": "user@example.com",  "userId": "oauth_user_12345",  "fullName": "John Doe",  "provider": "Google"}  
```

Responses

Code	Description	Links
200	Successfully authenticated via OAuth <div><div>Media type</div><div>application/json</div><div>Controls Accept header.</div><div><div>Example Value</div><div>Schema</div><div><pre>{ "token": "jwt_token_here"} </pre></div></div></div>	No links
400	Missing required fields	No links
500	Server error	No links

POST

/api/auth/signup

Register a new user

Creates a new user account and returns a JWT token.

Parameters

Try it out

No parameters

Request body

required

application/json

Example Value Schema

```
{
  "email": "user@example.com",
  "password": "securepassword",
  "fullName": "John Doe"
}
```

Responses

Code	Description	Links
201	User created successfully	No links
	<div>Media type<div>application/json</div>Controls Accept header.</div> <div>Example Value Schema<pre>{ "token": "jwt_token_here", "message": "User created successfully" }</pre></div>	
400	User already exists or missing required fields	No links
500	Server error	No links

POST /api/auth/forgot-password Request password reset



Sends a password reset link to the user's email address.

Parameters

Try it out

No parameters

Request body required

application/json

Example Value Schema

```
{
  "email": "user@example.com"
}
```

}

Responses

Code	Description	Links
200	<div>Password reset link sent successfully</div> <div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div><pre>{ "message": "Password reset link sent successfully"}</pre></div>	No links
400	Email is required	No links
500	Server error	No links

POST /api/auth/verify-reset-token Verify password reset token



Verifies if the provided token is valid and not expired.

Parameters

Try it out

No parameters

Request body required

application/json

Example Value Schema

```
{  "email": "user@example.com",  "token": "valid_token"}
```

Responses

Code	Description	Links
200	Token verified, proceed with reset Media type <div>application/json</div> Controls Accept header. Example Value Schema <pre>{ "message": "Token verified, proceed with reset" }</pre>	No links
400	Invalid or expired token	No links
500	Server error	No links

POST /api/auth/reset-password Reset user password



Resets the user's password using the provided token and new password.

Parameters

Try it out

No parameters

Request body required

application/json

Example Value Schema

```
{  
  "email": "user@example.com",  
  "token": "valid_token",  
  "newPassword": "new_password"  
}
```

Responses

Code	Description	Links
200	<div>Password reset successful</div> <div>Media type</div> <div><div>application/json</div></div> <div>Controls Accept header.</div> <div><div>Example Value</div><div>Schema</div></div> <div><div>{</div><div>"message": "Password reset successful"</div><div>}</div></div>	No links
400	Invalid or expired token	No links
500	Server error	No links

Chat

AI-powered chatbot endpoints



POST

/api/chat

Chat with AI Assistant

Sends a message to the AI chatbot and gets a response.

Parameters

Try it out

No parameters

Request body required

application/json

Example Value

Schema

{

"message": "What is the capital of France?"

}

Responses

Code	Description	Links
200	AI-generated response Media type <div>application/json</div> Controls Accept header. Example Value Schema <pre>{ "response": "The capital of France is Paris." }</pre>	No links
400	Message is required	No links
500	Failed to fetch response from OpenAI	No links

POST

/api/chat/save Save a chat session and its messages

Saves the full chatbot conversation (user and bot messages) for a user session.

Parameters

Try it out

No parameters

Request body required

application/json

Example Value Schema

```
{  
  "userId": "string",  
  "sessionId": "string",  
  "messages": [  
    {  
      "sender": "user",  
      "text": "string"  
    }  
  ]  
}
```

Responses

Code	Description	Links
201	Chat history saved successfully	No links
400	Missing required fields	No links
500	Server Error	No links

Dashboard



Dashboard view with full user data including QR code, profile, and related info

^

GET

/api/dashboard/all

Get full dashboard data



Returns comprehensive profile information for the authenticated user along with a QR code. If the user is a patient, insurance details and medical history are also included. If the user is a doctor, doctor-specific details are included.

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	Full dashboard data retrieved successfully	No links

Media type

application/json

Controls Accept header.

Example Value

Schema



```
{  "userId": "65f4c3bdf1a3d7a9e9a4d8c2",  "fullName": "John Doe",  "email": "john@example.com",  "role": "patient",  "profileImage": "https://example.com/uploads/profile.png",  "qrCode": "string",  "patientDetails": {},  "insuranceDetails": {},  "medicalHistory": [    {}  ]}
```

Code	Description	Links
	<pre>], "doctorDetails": {} } }</pre>	
404	User not found	No links
500	Server Error	No links

POST

/api/dashboard/doctor/verify

Upload verification documents for doctor approval



Allows doctors to upload verification documents for approval.

Parameters

Try it out

No parameters

Request body required

multipart/form-data

documents
array<string>

Responses

Code	Description	Links
201	File uploaded successfully	No links

Media type

application/json

Controls Accept header.

Example Value Schema

```
{  
  "message": "File uploaded successfully",  
  "fileUrl": "https://s3.amazonaws.com/bucket-name/verification-docs/doc  
tor123/doc.pdf"  
}
```


Code	Description	Links
500	Internal server error	No links

Doctors

Endpoints for retrieving doctor and patient information



GET

/api/doctors

Get all doctors with availability

^

Retrieve a list of all doctors who have availability set

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	List of doctors with availability <div><div>Media type</div><div>application/json</div><div>Controls Accept header.</div><div><div>Example Value</div><div>Schema</div></div><pre>[{ "_id": "65f7d9b89b3c4f1a1f4c3b1e", "fullName": "Dr. John Smith", "email": "john@example.com", "specialization": "Cardiology", "experience": 10, "hospitalName": "Saint Luke's Hospital", "hospitalAddress": "123 Main St, St. Louis, MO", "availability": [{}] }]</pre></div>	No links
500	Failed to fetch doctors	No links

GET **/api/doctors/patients** Get patients of the authenticated doctor

Retrieve a list of patients who have booked appointments with the logged-in doctor

Parameters [Try it out](#)

No parameters

Responses

Code	Description	Links
200	<p>List of patient users with basic profiles</p> <p>Media type</p> <div>application/json</div> <p>Controls Accept header.</p> <p>Example Value Schema</p> <pre>[{ "_id": "string", "fullName": "string", "email": "string", "patientProfile": {} }]</pre>	No links
403	Only doctors can access this route	No links
500	Server error	No links

GET **/api/doctors/patient/{id}** Get full patient details

Retrieve full details (profile, insurance, medical history, appointments) of a patient

Parameters [Try it out](#)

Name	Description
id * required string (path)	User ID of the patient <div>id</div>

Responses

Code	Description	Links
200	Patient full information <div>Media type <div>application/json</div><div>Controls Accept header.</div><div>Example Value Schema</div><div><pre>{ "user": {}, "profile": {}, "insurance": {}, "medicalHistory": [{}], "appointments": [{}]}</pre></div></div>	No links
403	Only doctors can access this route	No links
404	Patient not found	No links
500	Server error	No links

Hospitals

Endpoints for fetching nearby hospitals

^

Onboarding

User onboarding endpoints

^

POST

/api/onboarding/patient

Patient Onboarding

^

Create a patient profile and update user role

Parameters

Try it out

No parameters

Request body required

application/json

Example Value Schema

```
{
  "age": 30,
  "sex": "male",
  "height": 175,
  "weight": 70,
  "healthIssues": [
    "Diabetes",
    "High blood pressure"
  ]
}
```

Responses

Code	Description	Links
201	Patient onboarding completed successfully	No links
400	User already onboarded	No links
404	User not found	No links
500	Server error	No links

POST /api/onboarding/doctor Doctor Onboarding



Create a doctor profile and update user role

Parameters

Try it out

No parameters

Request body required

application/json

Example Value

Schema

```
{
  "specialization": "Cardiology",
  "experience": 5,
  "certifications": [
    "MBBS",
    "MD"
  ]
}
```

Responses

Code	Description	Links
201	Doctor onboarding completed successfully	No links
400	User already onboarded	No links
404	User not found	No links
500	Server error	No links

Profile Image

Profile image upload endpoints



GET

/api/profile-image

Fetch profile image URL for the logged-in user

Parameters

Try it out

No parameters



Responses

Code	Description	Links
200	Successfully fetched profile image <div>Media type<div>application/json</div><div>Controls Accept header.</div></div> <div>Example Value Schema<div><pre>{ "image": "https://s3.amazonaws.com/bucket/image.jpg"}</pre></div></div>	No links
404	User not found	No links
500	Server error	No links

POST

/api/profile-image

Upload profile image



Parameters

Try it out

No parameters

Request body required

multipart/form-data

profileImage
string(\$binary)

Responses

Code	Description	Links
200	Image uploaded successfully <div>Media type<div>application/json</div><div>Controls Accept header.</div></div>	No links

Code	Description	Links
	Example Value Schema	
	<pre>{ "message": "Image uploaded successfully", "imageUrl": "https://s3.amazonaws.com/bucket/image.jpg" }</pre>	
400	No file uploaded	No links
404	User not found	No links
500	Server error	No links

Insurance

Insurance-related API endpoints



GET

/api/insurance

Get insurance details

^

Retrieve insurance details for a patient

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	Returns insurance details	No links

Media type

application/json

Controls Accept header.

Example Value Schema



```
{
  "providerName": "Blue Cross Blue Shield",
  "startDate": "2023-01-01",
  "endDate": "2024-01-01",
  "holderName": "John Doe"
}
```

Code	Description	Links
403	Only patients can access insurance details	No links
404	User not found	No links
500	Server error	No links

POST

/api/insurance

Save or update insurance details



Save or update a patient's insurance details

Parameters

Try it out

No parameters

Request body required

application/json

Example Value

Schema

```
{
  "providerName": "Blue Cross Blue Shield",
  "startDate": "2023-01-01",
  "endDate": "2024-01-01",
  "holderName": "John Doe"
}
```

Responses

Code	Description	Links
201	Insurance details saved successfully	No links
403	Only patients can update insurance details	No links
404	User not found	No links
500	Server error	No links

MedicalHistory

Endpoints for managing patient medical history



POST /api/medical-history Save medical history



Save a new medical history record for the authenticated user

Parameters

Try it out

No parameters

Request body **required**

application/json

Example Value Schema

```
{
  "healthIssue": "Asthma",
  "dateOfOccurrence": "2024-12-01",
  "status": "Ongoing",
  "treatmentGiven": "Inhaler and steroids",
  "notes": "Patient responds well to medication"
}
```

Responses

Code	Description	Links
201	Medical history saved	No links
500	Server Error	No links

GET /api/medical-history Get all medical history entries



Retrieve all medical history records for the authenticated user

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	<div>List of medical history records</div> <div>Media type</div> <div><div>application/json</div></div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div><pre>[{ "healthIssue": "string", "dateOfOccurrence": "2025-05-06", "status": "string", "treatmentGiven": "string", "notes": "string" }]</pre></div>	No links
500	Server Error	No links

POST /api/medical-history/upload Upload medical report



Upload an attachment file for medical history (PDF, image, etc.)

Parameters

Try it out

No parameters

Request body required

multipart/form-data

medicalReport
string(\$binary)

Responses

Code	Description	Links
200	<div>File uploaded successfully</div> <div>Media type</div> <div>application/json</div> <div>Controls Accept header.</div> <div>Example Value Schema</div> <div><pre>{ "message": "File uploaded successfully", "fileUrl": "https://bucket.s3.amazonaws.com/medical-history/..."}</pre></div>	No links
400	No file uploaded	No links

Profile Endpoints for fetching user Profile data and doctor verification



POST /api/profile/patient Update patient profile



Save or update the authenticated patient's profile information.

Parameters

Try it out

No parameters

Request body required

application/json

Example Value Schema

```
{  "age": 28,  "sex": "Male",  "height": 180,  "weight": 75,  "healthIssues": "None"}
```

Responses

Code	Description	Links
200	Patient profile updated	No links
500	Internal Server Error	No links

POST /api/profile/doctor/update Update doctor profile



Update the authenticated doctor's profile information.

Parameters

Try it out

No parameters

Request body required

application/json

Example Value Schema

```
{
  "fullName": "Dr. Jane Doe",
  "specialization": "Dermatology",
  "experience": 7,
  "certifications": [
    "MBBS",
    "MD Dermatology"
  ]
}
```

Responses



Code	Description	Links
200	Doctor profile updated successfully	No links
404	Doctor not found	No links

Code	Description	Links
500	Server Error	No links

POST

/api/profile/doctor/availability

Save doctor availability



Save availability slots for the authenticated doctor.

Parameters

Try it out

No parameters

Request body required

application/json

Example Value

Schema

```
{
  "slots": [
    {
      "date": "2025-04-08",
      "startTime": "09:00",
      "endTime": "12:00",
      "slotDuration": 30
    }
  ]
}
```



Responses

Code	Description	Links
200	Availability saved successfully	No links
500	Server Error	No links

GET

/api/profile/doctor/availability

Get doctor availability



Retrieve availability slots for the authenticated doctor.

Parameters

Try it out

No parameters



Responses

Code	Description	Links
200	Doctor availability retrieved	No links
500	Server Error	No links

PUT

/api/profile/doctor/availability/{id}

Update specific availability slot



Update a single availability slot by ID for the authenticated doctor.

Parameters

Try it out

Name	Description
id * required string (path)	The ID of the availability slot to update

id

Request body required

application/json

Example Value

Schema

```
{
  "date": "2025-04-08",
  "startTime": "10:00",
  "endTime": "13:00",
  "slotDuration": 30
}
```



Responses

Code	Description	Links
200	Slot updated successfully	No links
404	Slot or doctor not found	No links
500	Server Error	No links

GET

/api/profile/signed-url

Get signed S3 URL for file upload



Generate a signed S3 URL for secure file uploads.

Parameters

Try it out

Name	Description
key * required string (query)	The key (filename) for which to generate the signed URL

Responses

Code	Description	Links
200	Signed URL generated	No links
<div>Media type</div> <div><div>application/json</div></div> <div>Controls Accept header.</div> <div><div>Example Value</div><div>Schema</div></div> <div><pre>{ "url": "https://bucket.s3.amazonaws.com/key?signature=abc"}</pre></div>		
500	Server Error	No links

Health Issues



GET

/api/onBoarding/health-issues Retrieve health issues with search functionality



Fetches health issues matching the input query (at least 3 characters required).

Parameters

Try it out

Name	Description
search string (query)	Search for health issues by name (min 3 characters) <div>search</div>

Responses

Code	Description	Links
200	List of matching health issues retrieved successfully	No links
500	Server error	No links

POST

/api/onBoarding/health-issues Add a new health issue if it doesn't exist



Creates a new health issue if not found in the database.

Parameters

Try it out

No parameters

Request body required

application/json

Example Value Schema


```
{
  "health_issue": "Migraine"
}
```

Responses

Code	Description	Links
201	Health issue added successfully	No links
400	Health issue already exists	No links
500	Server error	No links

profile



GET /api/profile Get profile data



Retrieve the profile details of the authenticated user

Parameters

Try it out

No parameters

Responses

Code	Description	Links
200	User profile data retrieved successfully	No links

Media type

application/json

Controls Accept header.

Example Value Schema

```
{
  "userId": "65f4c3bdf1a3d7a9e9a4d8c2",

```

Code	Description	Links
	<pre>"fullName": "John Doe", "email": "johndoe@example.com", "role": "doctor", "isOnboarded": true, "specialization": "Cardiology", "verificationStatus": "pending" }</pre>	
401	Unauthorized - Invalid or missing token.	No links
404	User not found	No links
500	Server error	No links

Schemas ^

FileUploadResponse

{

message

string

example: File uploaded successfully

fileUrl

string

example: https://s3.amazonaws.com/bucket-name/verification-docs/doctor123/doc.pdf

}

```
User {
  userId
    string
    example: 65f4c3bdf1a3d7a9e9a4d8c2
  fullName
    string
    example: John Doe
  email
    string
    example: johndoe@example.com
  provider
    string
    example: Local
    Enum:
      [ local, google.com, apple.com ]
  role
    string
    example: doctor
    Enum:
      [ patient, doctor ]
  isOnboarded
    boolean
    example: true
  image
    string
    example: https://s3.amazonaws.com/bucket-name/profile.jpg
  createdAt
    string($date-time)
    example: 2024-03-08T12:34:56.789Z
  updatedAt
    string($date-time)
    example: 2024-03-08T12:35:56.789Z
}
```

```
Patient {
  userId
    string
    example: 65f4c3bdf1a3d7a9e9a4d8c2
  age
    integer
    example: 30
  sex
    string
    example: male
    Enum:
      [ male, female ]
  height
    number
    example: 175
  weight
    number
    example: 70
  healthIssues
    string
    example: Diabetes, High blood pressure
  createdAt
    string($date-time)
    example: 2024-03-08T12:34:56.789Z
  updatedAt
    string($date-time)
    example: 2024-03-08T12:35:56.789Z
}
```

```
Doctor {
  userId
    string
    example: 65f4c3bdf1a3d7a9e9a4d8c2
  specialization
    string
    example: Cardiology
  experience
    integer
    example: 5
  certifications
    string
    example: MBBS, MD
  verificationStatus
    string
    example: pending
    Enum:
      Array [ 3 ]
  verificationDocs
    [
    example: List [ "https://s3.amazonaws.com/bucket-name/doc1.pdf" ]
    [...]]
  createdAt
    string($date-time)
    example: 2024-03-08T12:34:56.789Z
  updatedAt
    string($date-time)
    example: 2024-03-08T12:35:56.789Z
}
```

```
Insurance {
  userId
    string
    example: 65f4c3bdf1a3d7a9e9a4d8c2
  providerName
    string
    example: Blue Cross Blue Shield
  startDate
    string($date)
    example: 2023-01-01
  endDate
    string($date)
    example: 2024-01-01
  holderName
    string
    example: John Doe
}
```