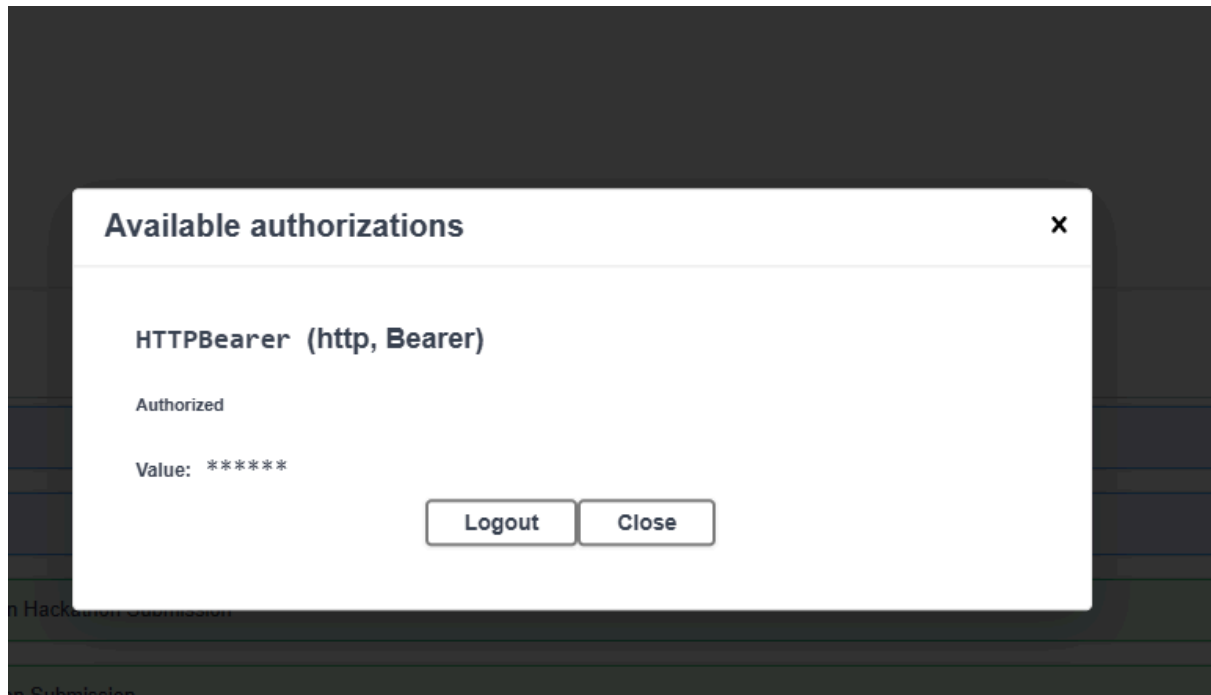# API Demo

The system provides a FastAPI-based interface with secure Bearer token authentication. Below are screenshots of the API in action.
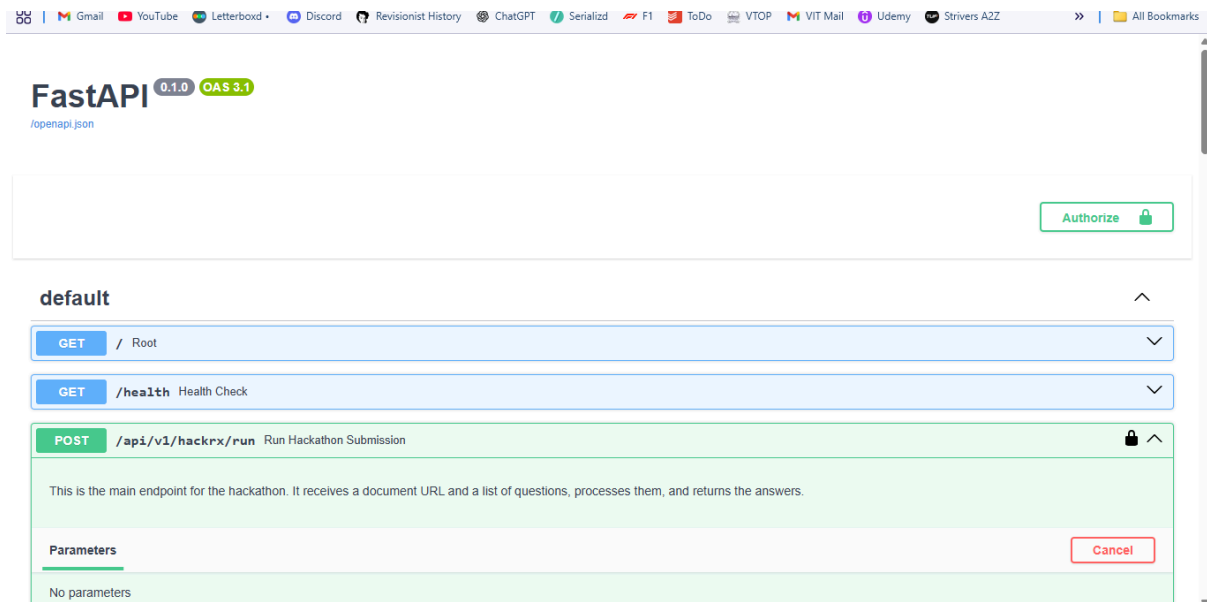
1. Authorization

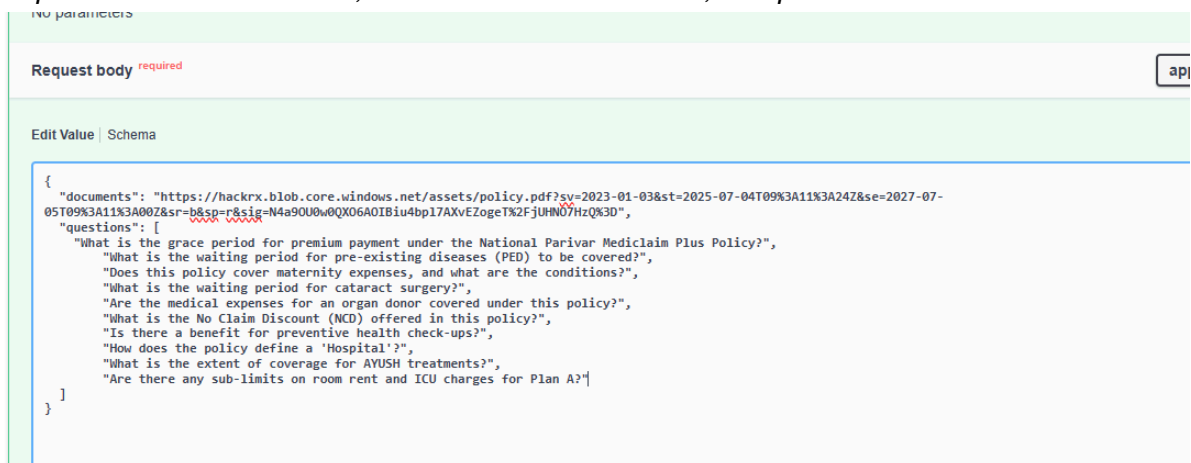*The API requires Bearer token authentication. Once authorized, all endpoints can be accessed securely.*

2. FastAPI Swagger UI

The Swagger interface shows available endpoints, including health check and the main `/api/v1/hackrx/run` submission endpoint.

FastAPI `0.1.0` `OAS 3.1`

/openapi.json

Authorize 🔒

default ⌄

| GET | / Root | ⌄ |

| GET | /health Health Check | ⌄ |

| POST | /api/v1/hackrx/run Run Hackathon Submission | 🔒 ⌄ |

This is the main endpoint for the hackathon. It receives a document URL and a list of questions, processes them, and returns the answers.

Parameters   Cancel

No parameters

3. Request Example

Sample request body with a PDF document URL and multiple natural language queries. The API processes the document, retrieves relevant clauses, and provides contextual answers.

No parameters

Request body required   ap

Edit Value | Schema

```
{
  "documents": "https://hackrx.blob.core.windows.net/assets/policy.pdf?sv=2023-01-03&st=2025-07-04T09%3A11%3A24Z&se=2027-07-05T09%3A11%3A00Z&sr=b&sp=r&sig=N4a9OU0w0QXO6AOIBiu4bp17AXvEZogeT%2FjUHN07HzQ%3D",
  "questions": [
    "What is the grace period for premium payment under the National Parivar Mediclaim Plus Policy?",
    "What is the waiting period for pre-existing diseases (PED) to be covered?",
    "Does this policy cover maternity expenses, and what are the conditions?",
    "What is the waiting period for cataract surgery?",
    "Are the medical expenses for an organ donor covered under this policy?",
    "What is the No Claim Discount (NCD) offered in this policy?",
    "Is there a benefit for preventive health check-ups?",
    "How does the policy define a 'Hospital'?",
    "What is the extent of coverage for AYUSH treatments?",
    "Are there any sub-limits on room rent and ICU charges for Plan A?"
  ]
}
```

4. Sample Output

```json
{
  "answers": [
    "A grace period of thirty days is provided for premium payment after the due date.",
    "There is a waiting period of thirty-six (36) months for pre-existing diseases.",
    "Yes, the policy covers maternity expenses, subject to specified conditions.",
    "The waiting period for cataract surgery is two (2) years.",
    "Yes, organ donor expenses are covered under this policy.",
    "A No Claim Discount (NCD) of 5% is offered on renewal if no claims are made.",
    "The policy reimburses expenses for preventive health check-ups after two policy years.",
    "A hospital is defined as an institution with at least 10 inpatient beds.",
    "AYUSH treatments are covered for inpatient care.",
    "For Plan A, room rent is capped at 1% of the Sum Insured and ICU at 2%."
  ]
}
```