#	Test Name / Scenario	Input	Expected Result	Actual Status	Type of Test	Positive / Negative	Notes / Theory
1	GET /ping - should return health status	None	Status 201, Body contains status info or text	201, Body: "Created"	API / Health	Positive	Endpoint responds correctly without auth; supports JSON or HTML/text
2	GET /ping - should have fast response time	None	Response time < 1000ms	115ms	Performance / Health	Positive	Ensures endpoint responds quickly for monitoring or uptime checks
3	GET /ping - should have correct headers	None	Content-Type: text/html or application/json	text/html; charset=utf-8	Header / Validation	Positive	Validates server response headers for correct type
4	GET /ping - should be accessible without authentication	None	Status 201	201	Security / Accessibility	Positive	Public endpoint, no auth required; ensures monitoring tools can access freely
5	GET /ping - should return consistent response	None	Multiple calls → same status 201 and same body	Status 201 all calls, Body consistent	Consistency / Reliability	Positive	Confirms reliability, endpoint is stable across multiple requests

Flow for Testing Health API

Test: GET /ping

(From health.spec.js)

```
[Playwright test sends GET request to /ping]
    |
    ▼
[Express Route Matches]
router.get('/ping', healthController)
    |
    ▼
[Controller: healthController]
- Checks system/service health
- Determines response (e.g., 201 Created or JSON { status: 'OK' })
- Returns response with appropriate headers (text/html or application/json)
    |
    ▼
[Test Receives Response]
- Test checks:
    - Status code (expect 201 in this case)
    - Response body content (JSON or text/html)
    - Headers correctness (Content-Type)
    - Response time (<1000ms)
- Repeats multiple calls for consistency check
```