Sequence Diagram: Create New Project (UC-04)

Participants: User, Browser, New Project Page (3-step wizard), GET /api/auth/github/status, GET /api/github/repos, POST /api/projects, MongoDB

User → Browser: Navigate to /new

Browser → New Project Page (3-step wizard): Render Step 1 (Name & Source Type)

New Project Page → GET /api/auth/github/status: Check GitHub connection

GET /api/auth/github/status --> New Project Page: {connected, githubUsername}

User → New Project Page: Enter project name / Select "Git Repository"

New Project Page --> User: Show Step 2 (Source Config)

alt [GitHub Connected]

New Project Page → GET /api/github/repos: GET /api/github/repos

GET /api/github/repos --> New Project Page: List of repositories

New Project Page --> User: Show repo picker + search

User → New Project Page: Select repository from list

New Project Page → New Project Page: Auto-fill gitUrl, gitBranch, gitProvider='github'

[GitHub Not Connected]

New Project Page --> User: Show "Connect GitHub" button + manual URL input

User → New Project Page: Enter git URL manually

end alt

New Project Page --> User: Show Step 3 (Build Config)

User → New Project Page: Configure install/build commands and output dir

User → New Project Page: Click "Create Project"

New Project Page → POST /api/projects: POST {name, sourceType, gitUrl, gitBranch, gitProvider, ...buildConfig}

POST /api/projects → POST /api/projects: Validate input

POST /api/projects → POST /api/projects: Generate slug from name

POST /api/projects → POST /api/projects: requireAuth() - get userId

POST /api/projects → MongoDB: Create Project document

MongoDB --> POST /api/projects: Project created

POST /api/projects --> New Project Page: 201 {project}

New Project Page → Browser: router.push('/projects/{slug}')

Browser --> User: Redirect to project page