| Browser   Server |

| Login (user, passwd)   —> |

| <— Success (token) OR fail (error) |

| |

| Dashboard Data (token)   —> |

| <——   Proj List   OR |
| Error (code) |

| |

| Search Particles (query, token) -> |
| <— Search Results OR emplist OR |
| Error |

| Get Particle Details (part ID, token) -> |
| <— Part Data   OR   Error |

| |

| Update Part (part ID, data, token) ->|
| <— Part Data (data y/b) OR Error |

| Get Tag and List (part ID, token)) |
| —> |

| <— Taglist OR OrdList OR Error |