

I
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Is that a Cucumber in your VeST?
Johan Öbrink

Is that a
Cucumber in your
VeST?
(or are you just happy to see me?)

ITEAM



JohanObrink

@JohanObrink

Technical Visionary. Public speaker.
Digital strategist and therapist. Helps
organisations change through strategy,
code and culture.

📍 iPhone: 59.336582,18.012465

📅 Joined December 2008

⌚ Born on April 16, 1973

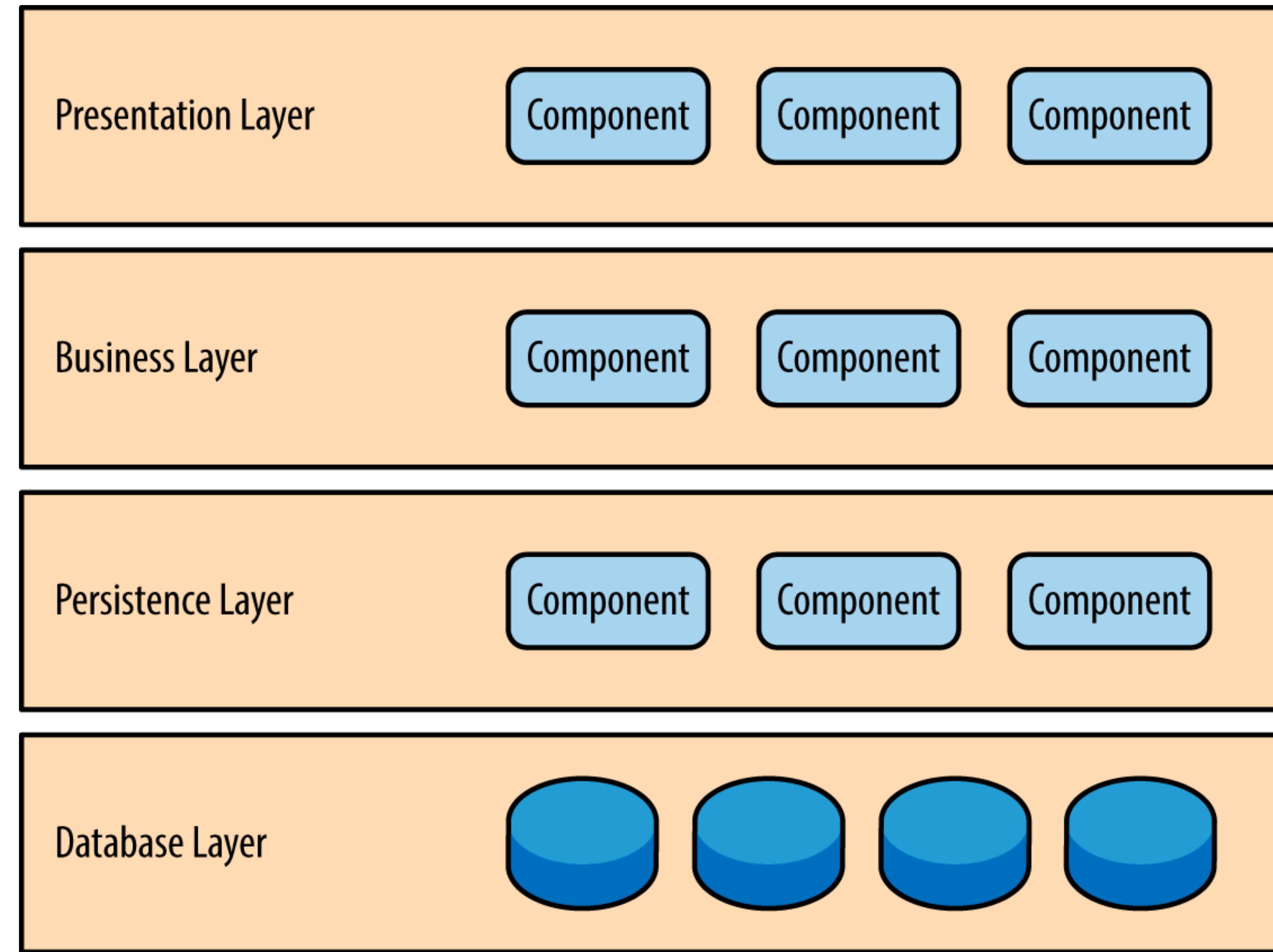
VeST

Vertical Slice Testing

Vertical Slice

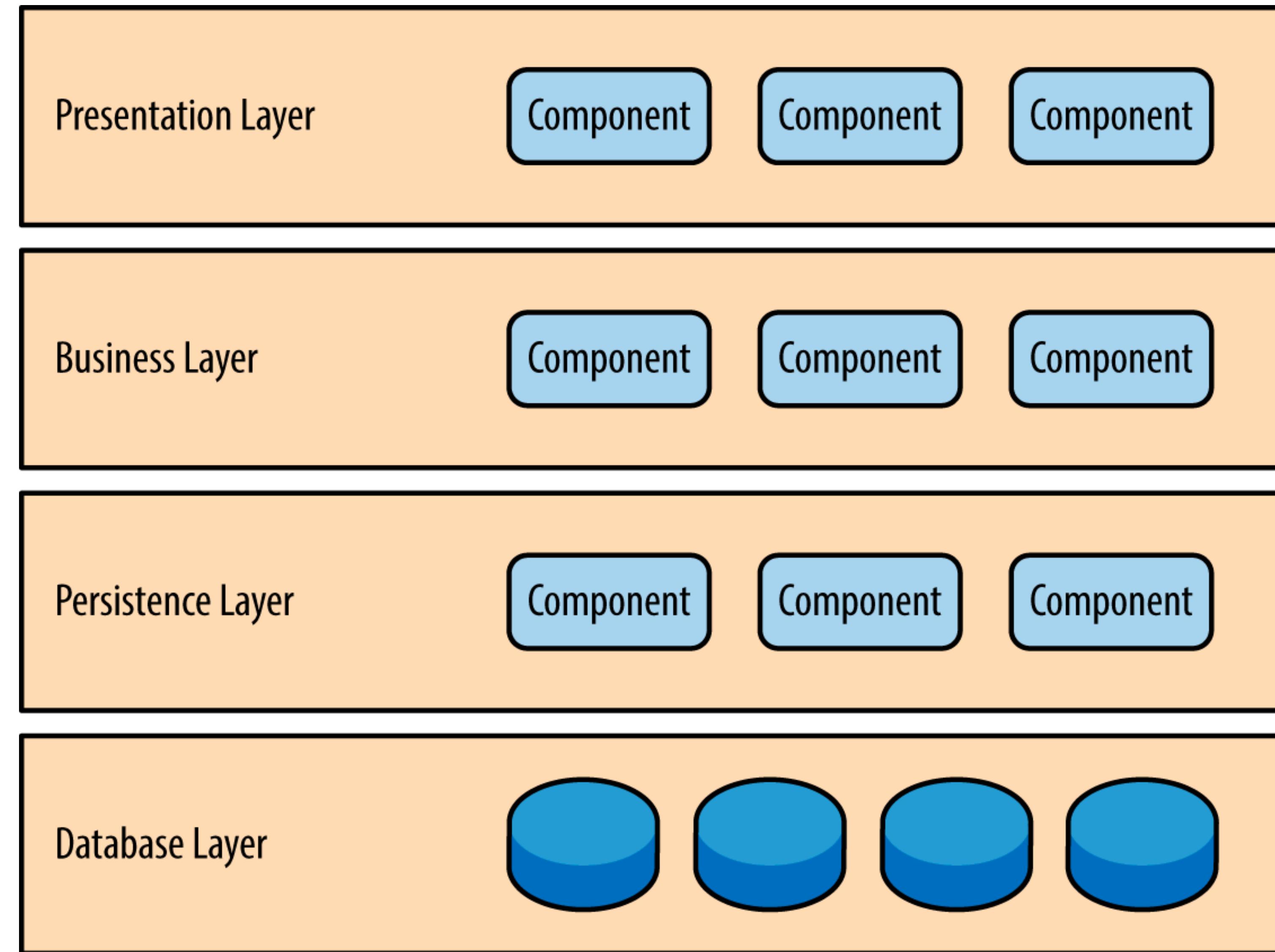
Vertical Slice

ITEAM

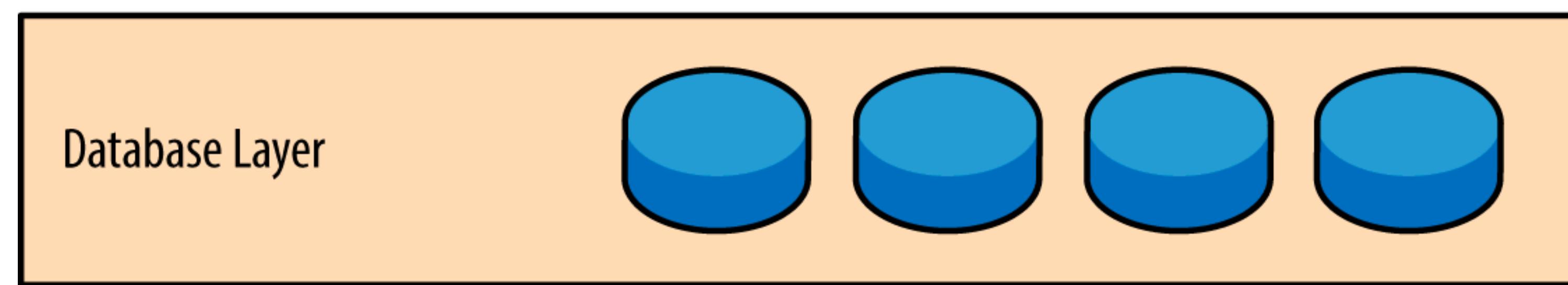




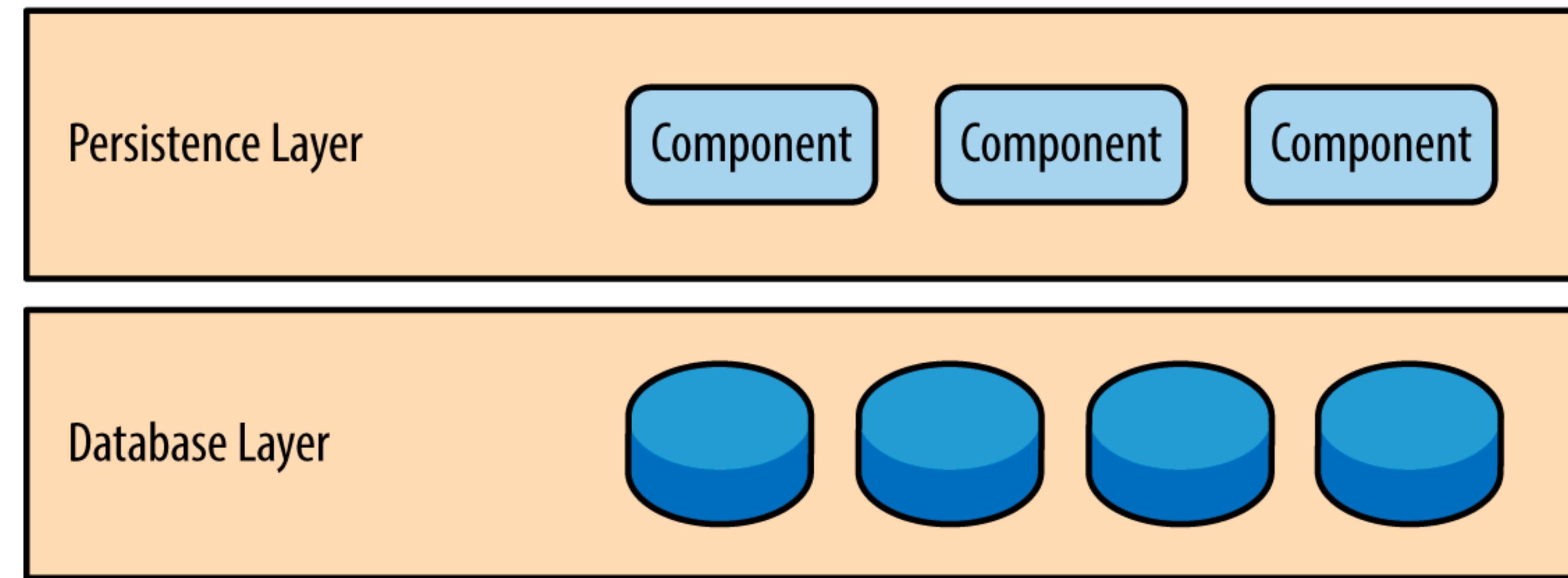
ITEAM



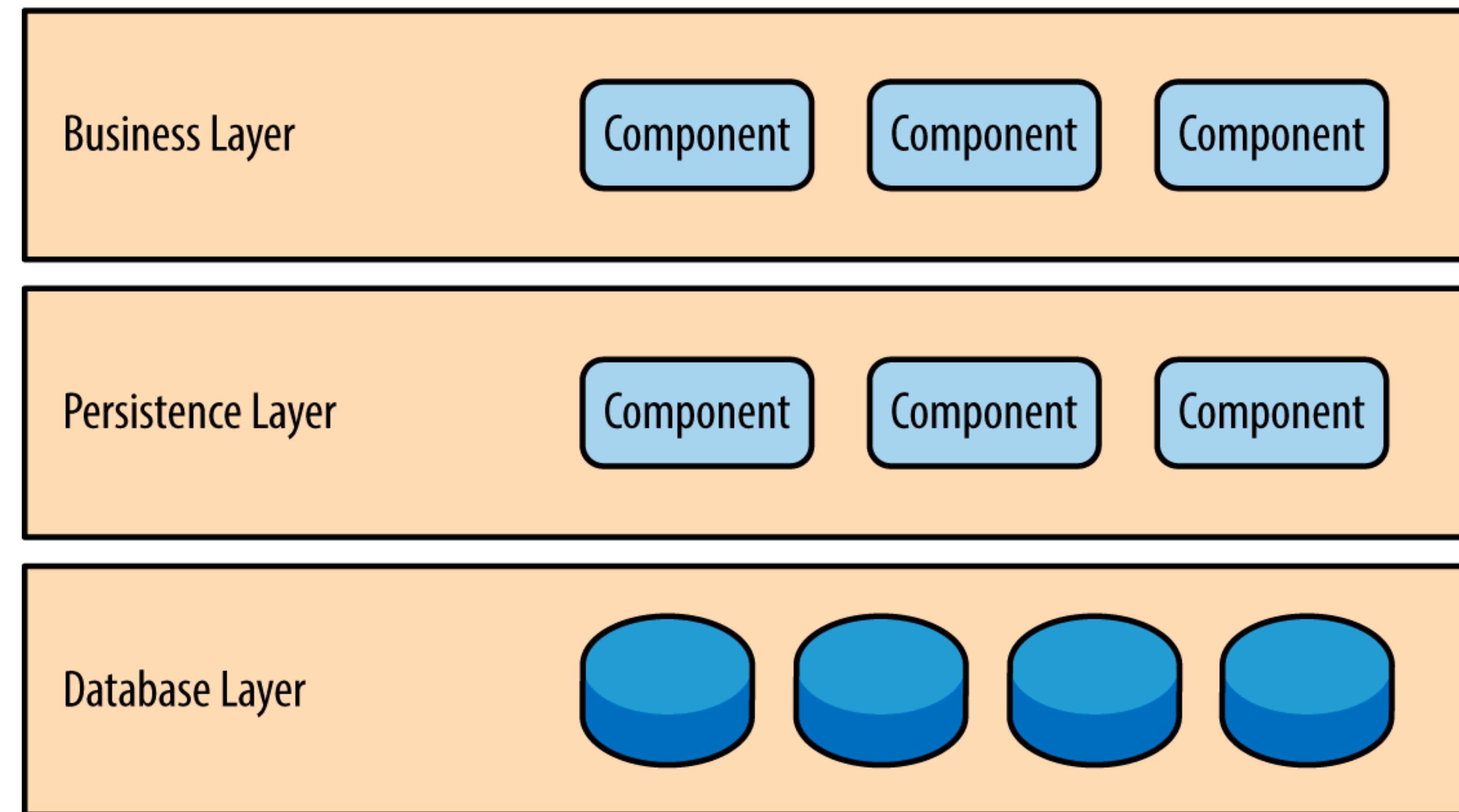
ITEAM



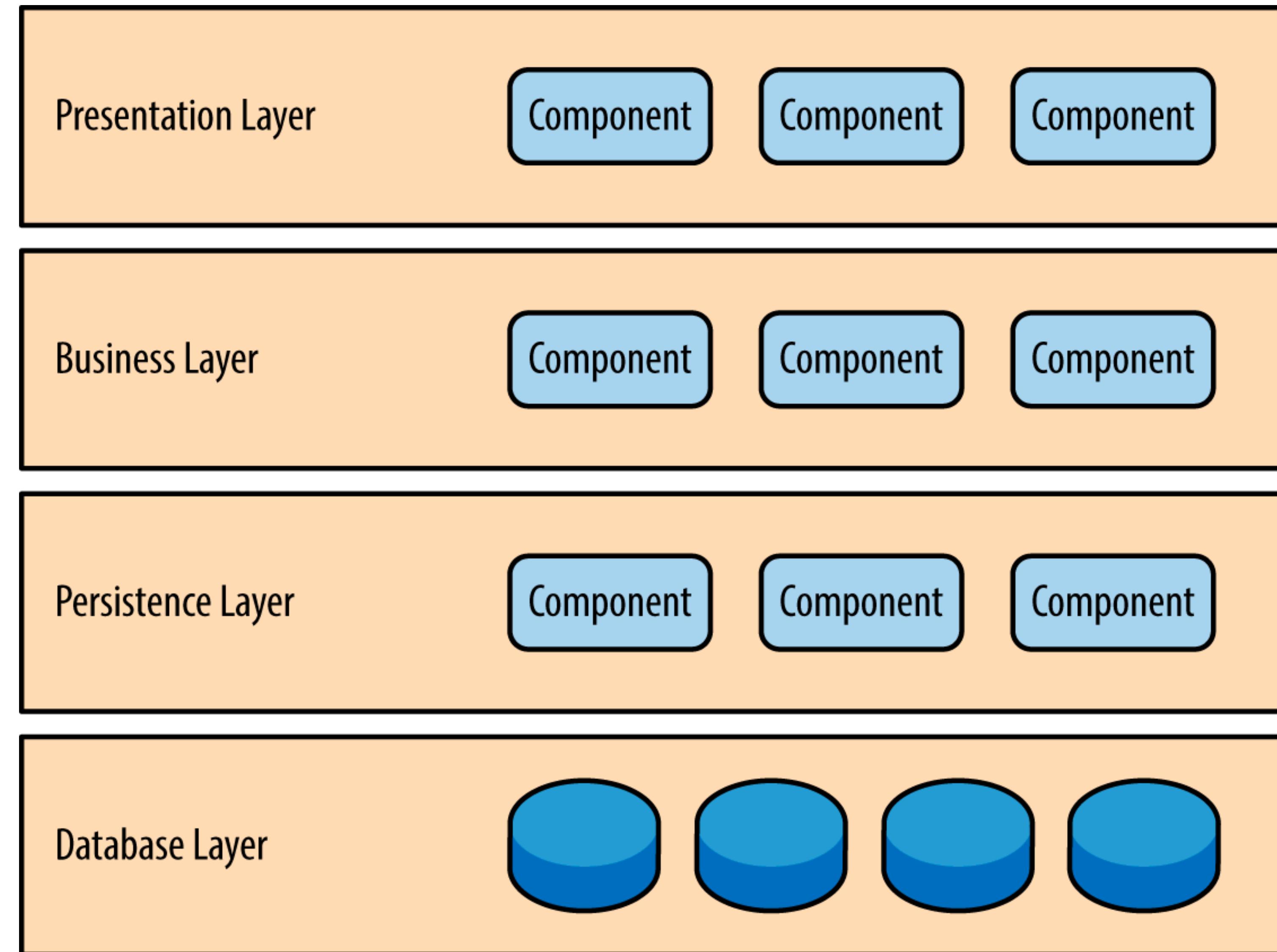
ITEAM



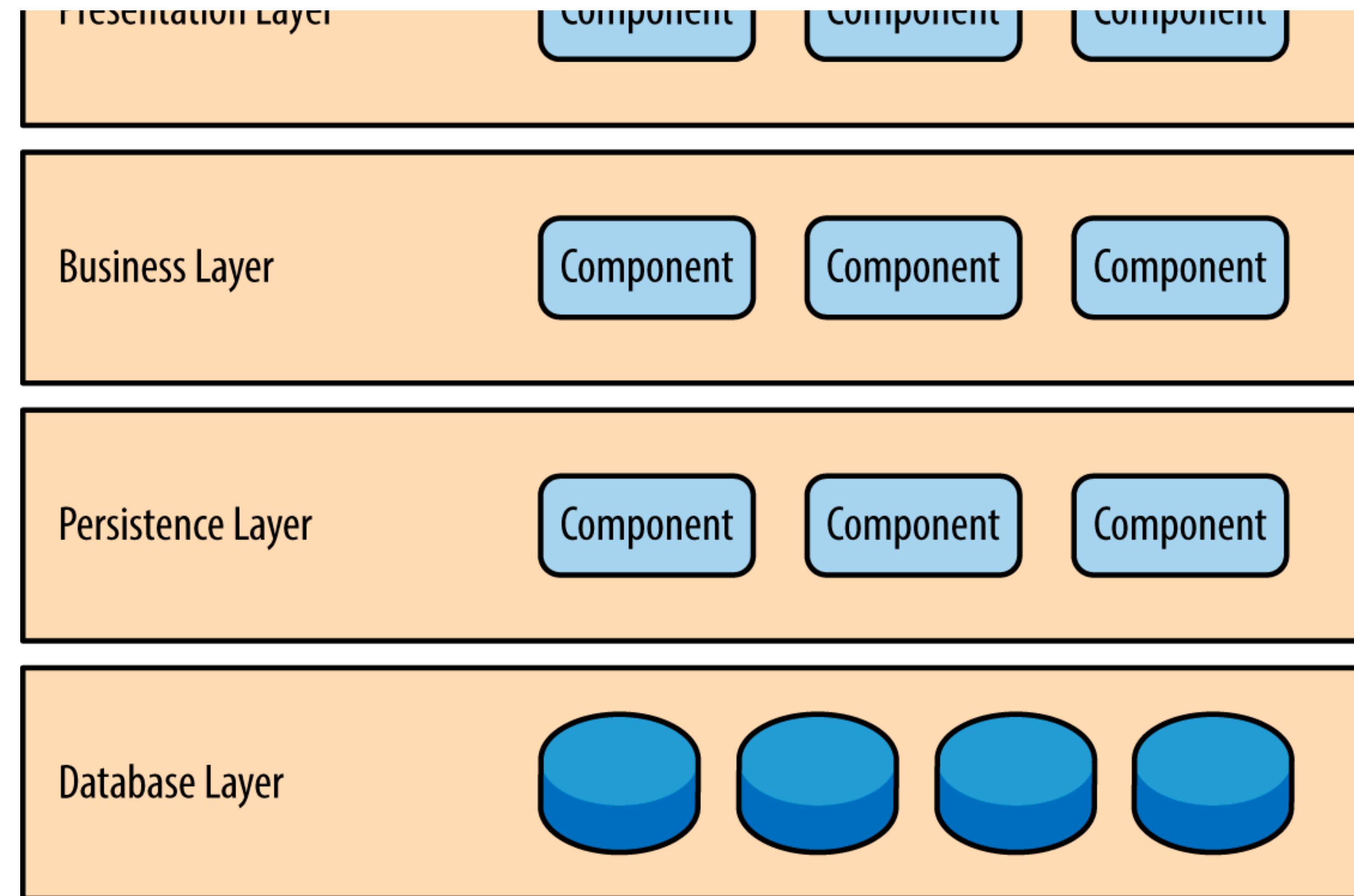
ITEAM



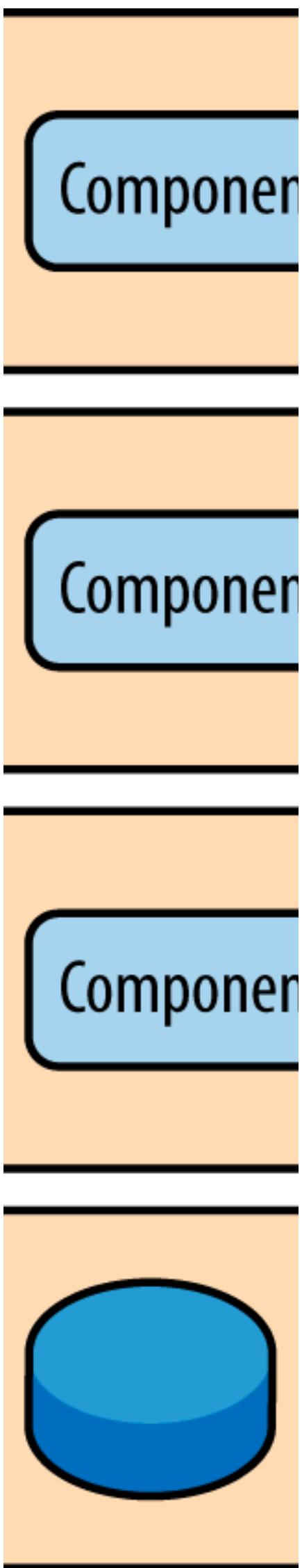
ITEAM



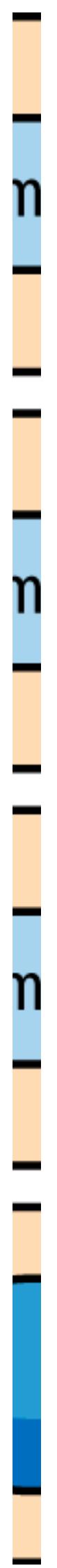
ITEAM



I TEAM



ITEM



ITEAM





VeST

Vertical Slice Testing

Vertical Slice Testing

ITEM

```
describe('user service', () => {
  describe('create user', () => {
    it('saves new user to db', () => {
      const user = {
        username: 'johanobrink',
        password: 'foobar',
        name: 'Johan Öbrink'
      }
      await userService.createUser(user)

      expect(db.execute)
        .calledOnce
        .calledWith(['INSERT INTO users(username, password, name) VALUES($1, $2, $3)', [user.username, user.password, user.name]])
    })
  })
})
```

ITEM

```
describe('user service', () => {
  beforeEach(() => {
    fakeHasher.hash = spy((pwd) => Promise.resolve(pwd))
  })
  describe('create user', () => {
    it('saves new user to db', () => {
      const user = {
        username: 'johanobrink',
        password: 'foobar',
        name: 'Johan Öbrink'
      }
      await userService.createUser(user)

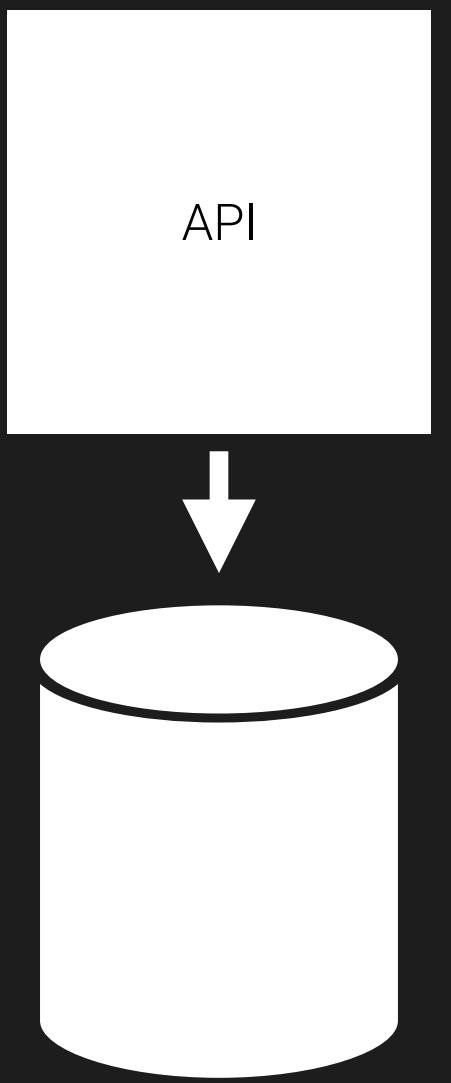
      expect(db.execute)
        .calledOnce
        .calledWith('INSERT INTO users(username, password, name) VALUES($1, $2, $3)', [
          user.username, user.password, user.name])
    })
  })
})
```

ITEM

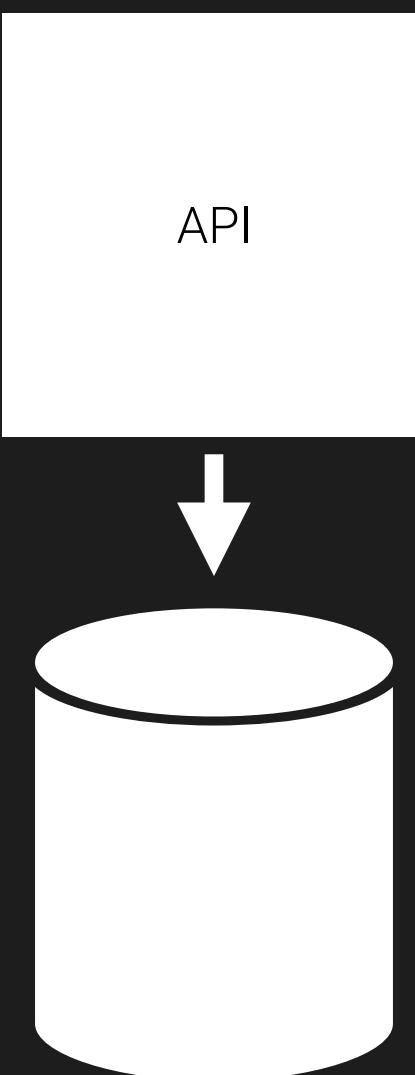
```
describe('user service', () => {
  beforeEach(() => {
    fakeHasher.hash = spy((pwd) => Promise.resolve(pwd))
  })
  describe('create user', () => {
    it('hashes the password', () => {
      const user = {
        username: 'johanobrink',
        password: 'foobar',
        name: 'Johan Öbrink'
      }
      await userService.createUser(user)

      expect(fakeHasher.hash)
        .calledOnce
        .calledWith('foobar')
    })
  })
})
```

ITEM



ITEM



```
describe('user service', () => {
  beforeEach(() => clearUserTable())
  afterEach(() => clearUserTable())

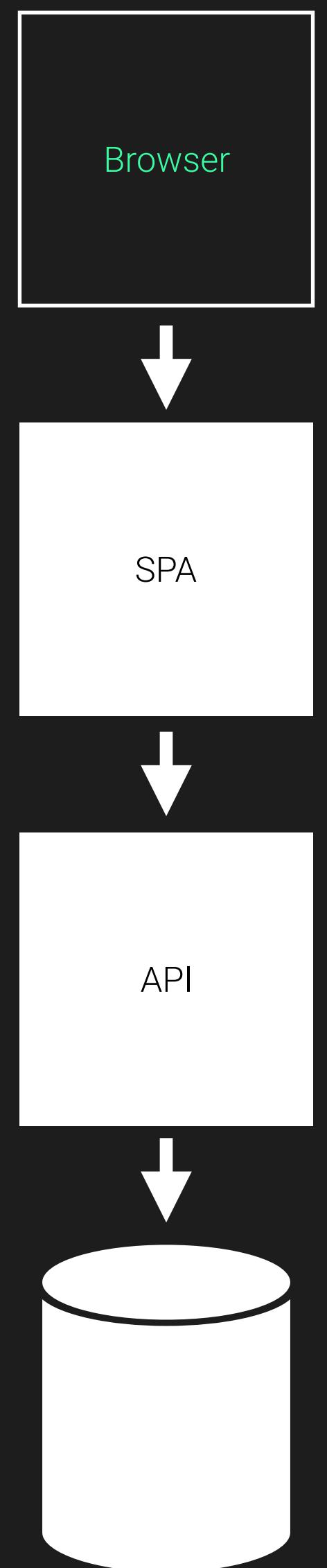
  describe('create user', () => {
    it('saves new user to db', () => {
      const user = {
        username: 'johanobrink',
        password: 'foobar',
        name: 'Johan Öbrink'
      }
      await userService.createUser(user)

      const users = await userService.getAllUsers()
      expect(users).to.have.length(1)

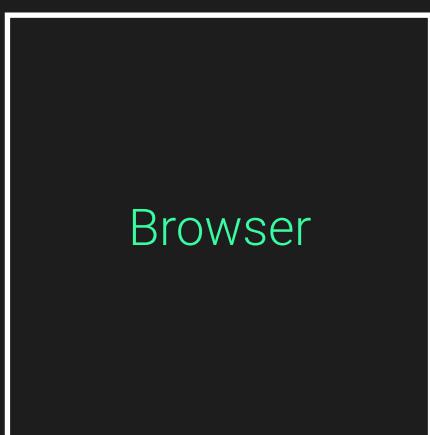
      const [newUser] = users
      expect(newUser.id).to.be.a('number')
      expect(newUser.username).to.equal(user.username)
      expect(newUser.name).to.equal(user.name)
      expect(newUser.password).to.not.equal(user.password)

      const pwdCorrect = await hasher.verify(newUser.password, user.password)
      expect(pwdCorrect).to.be.true
    })
  })
})
```

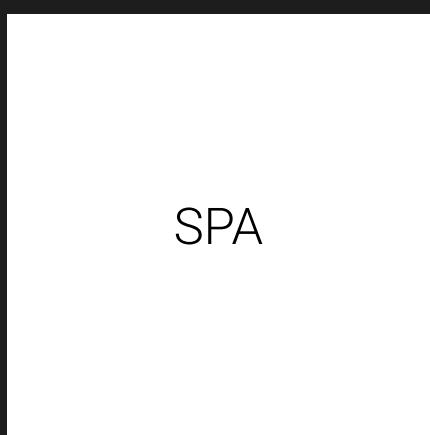
ITEM



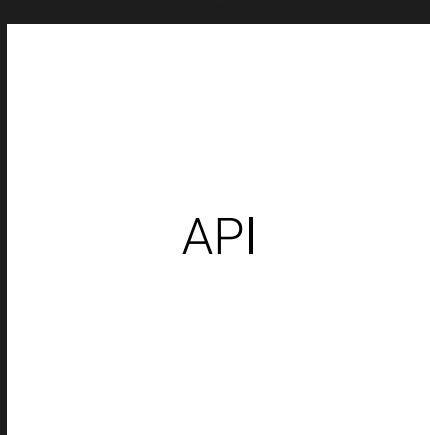
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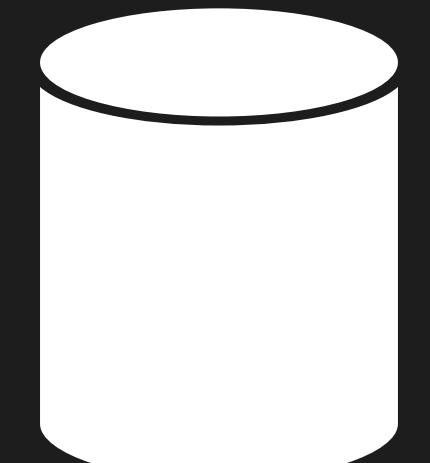
Browser



SPA



API



```
describe('user service', () => {
  beforeEach(() => {
    await clearUserTable()
    await browser
      .url('/users')
      .waitForElementVisible('body', 1000)
  })
  afterEach(() => clearUserTable())

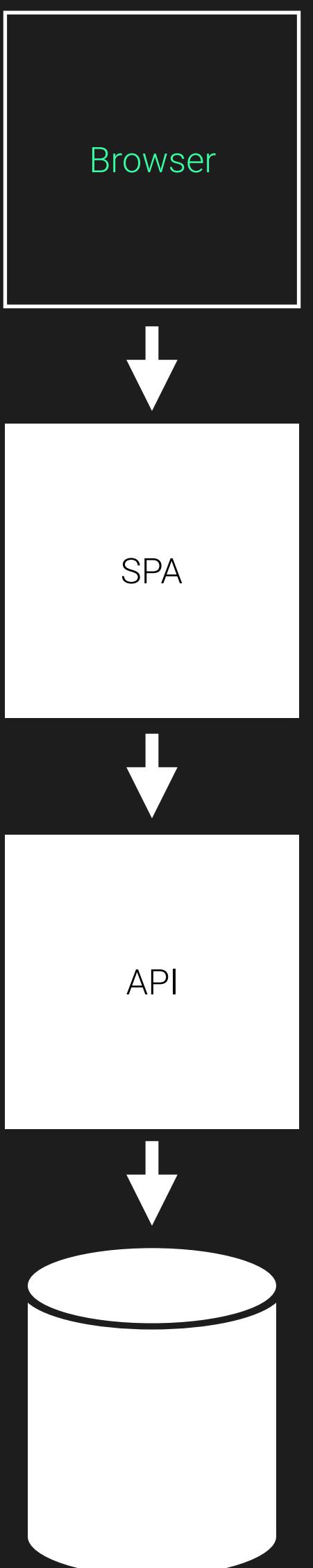
  describe('create user', () => {
    it('saves new user to db', () => {
      const user = {
        username: 'johanobrink',
        password: 'foobar',
        name: 'Johan Öbrink'
      }
      await browser.setValue('input[name=username]', user.username)
      await browser.setValue('input[name=password]', user.password)
      await browser.setValue('input[name=name]', user.name)
      await browser.click('input[type=submit]')

      const users = await userService.getAllUsers()
      expect(users).to.have.length(1)

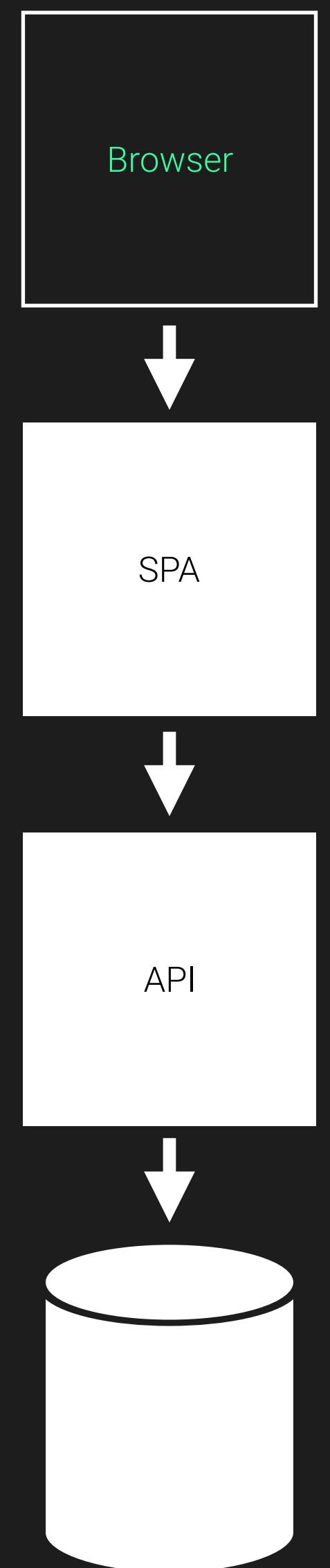
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      expect(newUser.id).to.be.a('number')
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```

ITEAM



ITEM



```
describe('user service', () => {
  const pw
  expect(pwdCorrect).to.be.true
})
})
```

Cucumber

ITEM

Feature: Accounts

A customer should be able to list her accounts

Background:

Given The following customers exist

id	name
1234	Johan Öbrink
9000	HAL 9000
666	GLaDOS

And The following accounts exist

number	owner	type	balance
1111111111	1234	savings	100.00
1111111112	1234	checkings	200.00
2222222221	9000	savings	150.00
3333333331	666	checkings	75.00

Scenario: Listing accounts

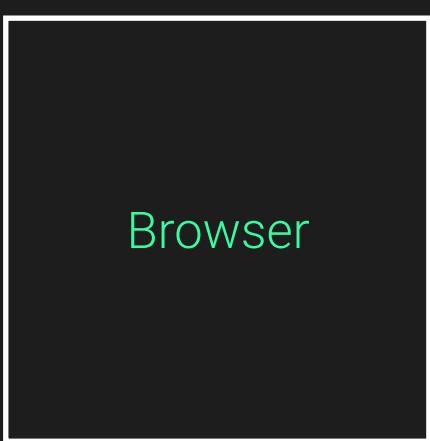
Given I am logged in as Johan Öbrink

When I visit the [accounts](#) page

Then I should see a list with 2 accounts

And My total balance should be 300.00

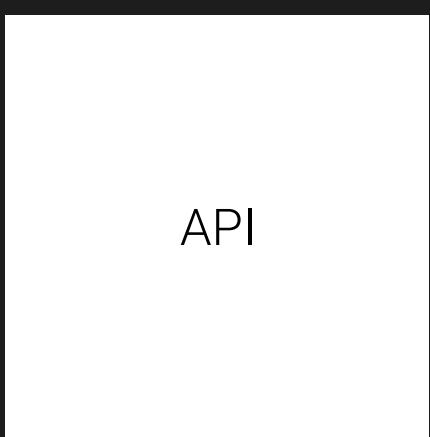
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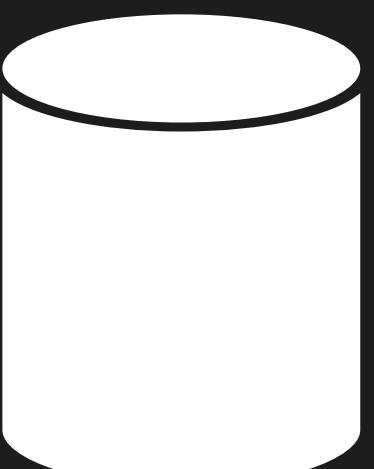
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SPA



API



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Scenario: Listing accounts

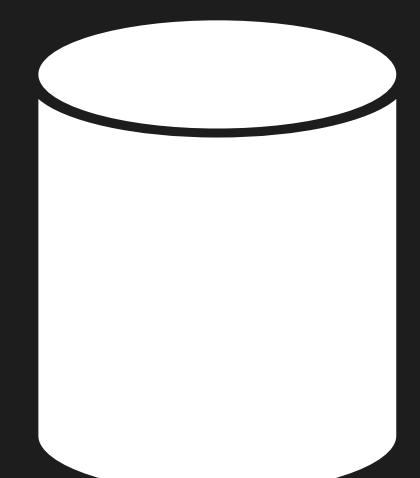
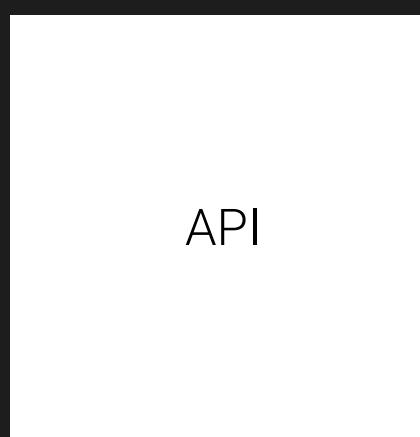
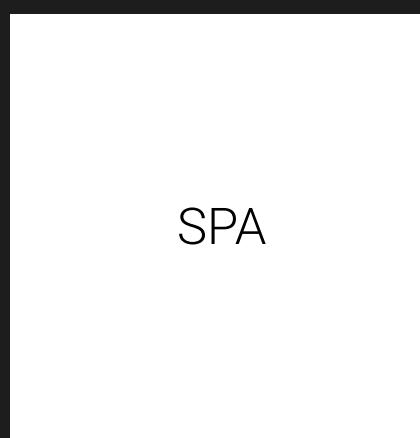
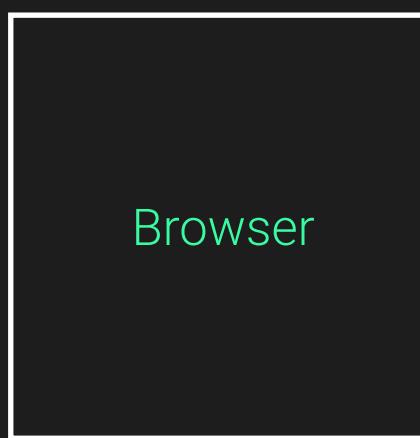
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When I visit the accounts page

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ITEM



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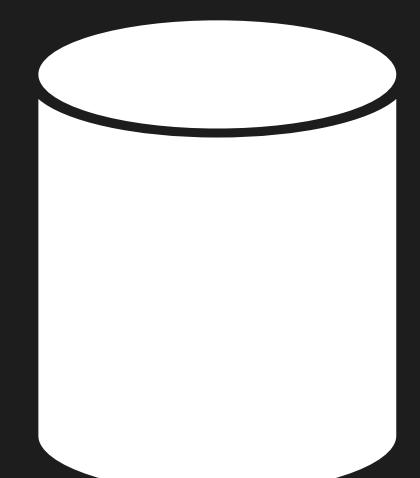
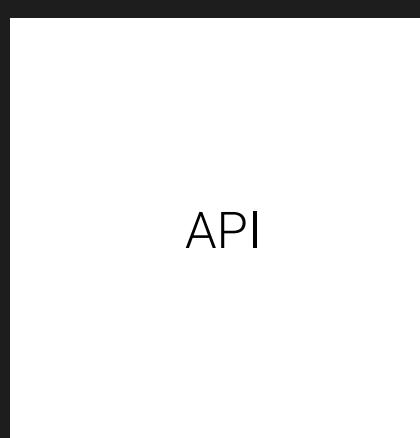
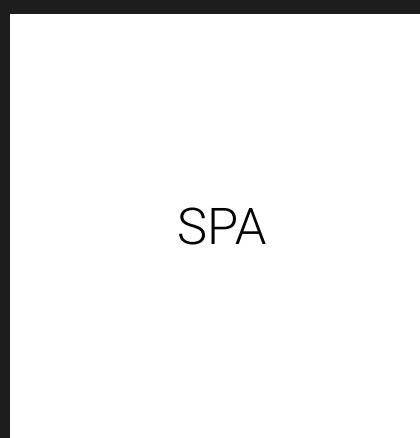
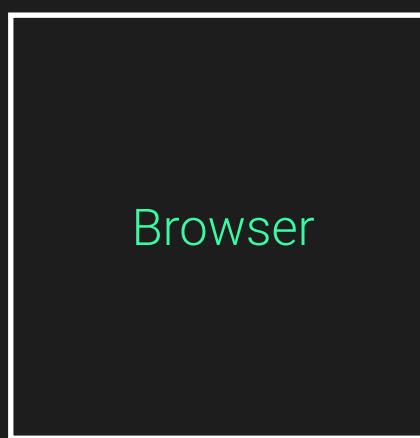
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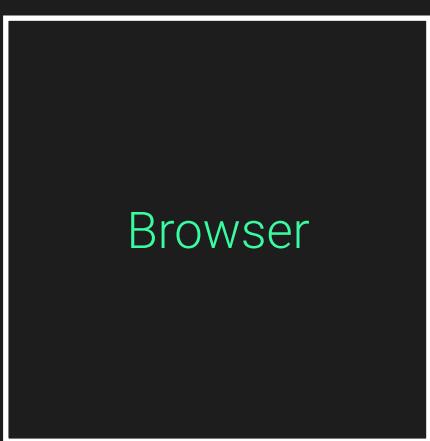
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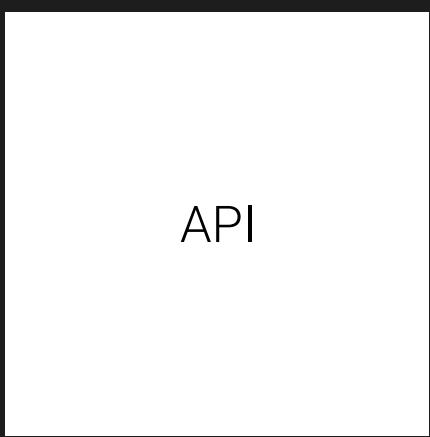
ITEM



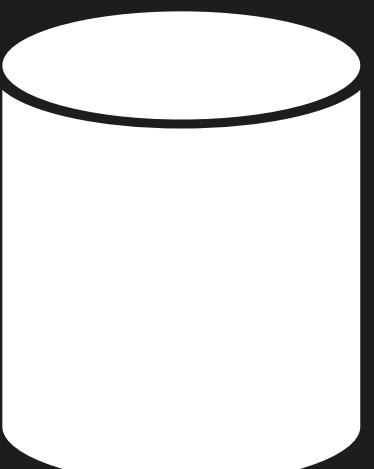
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SPA



API



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Scenario: Listing accounts

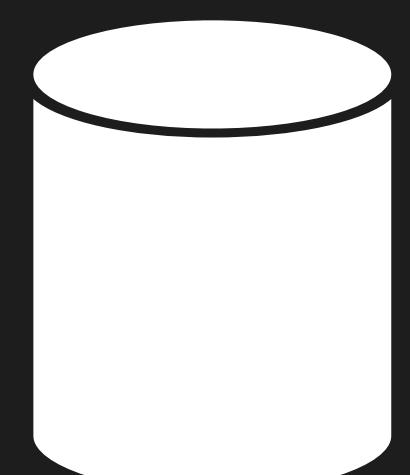
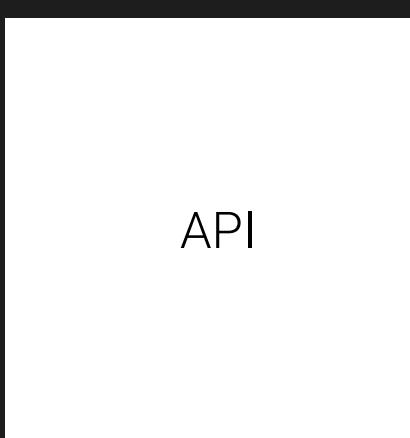
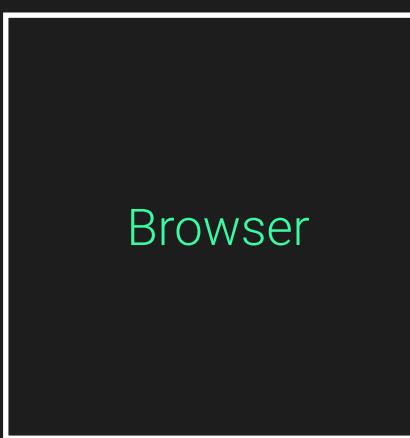
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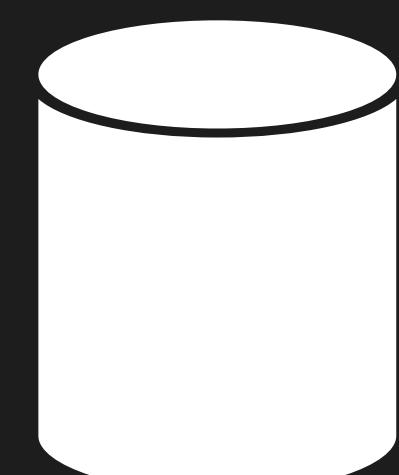
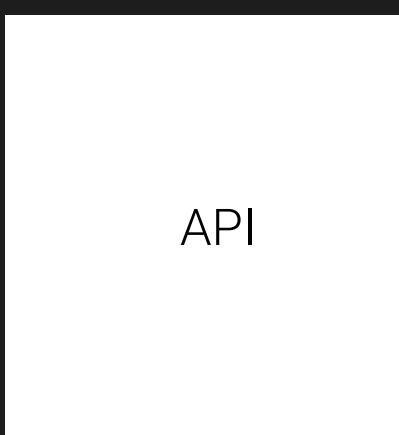
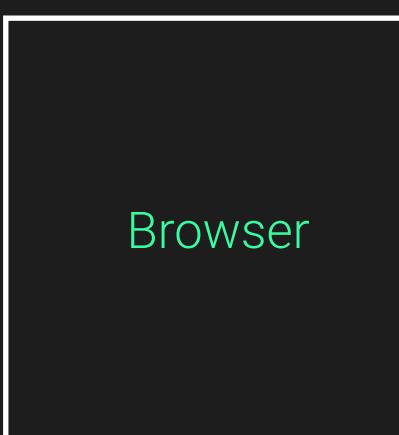
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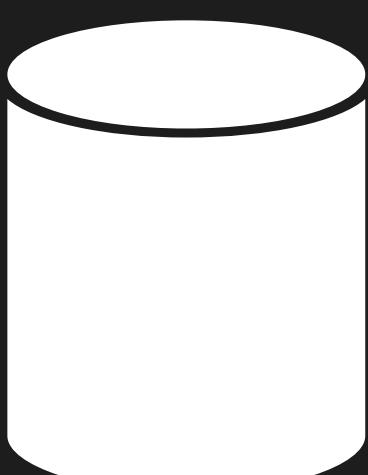
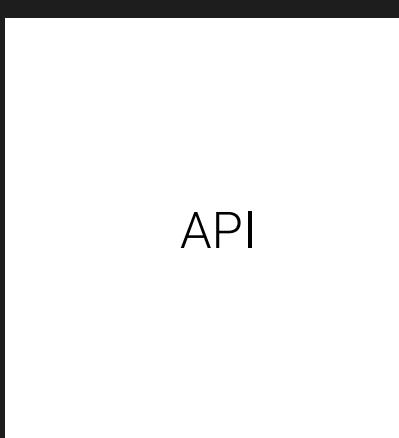
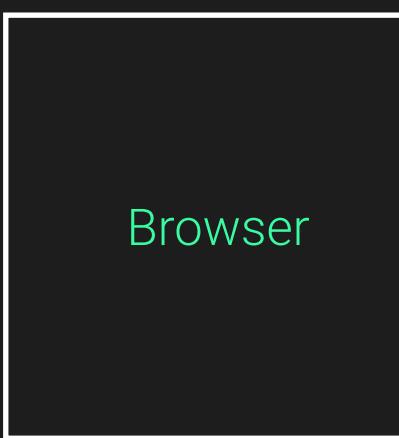
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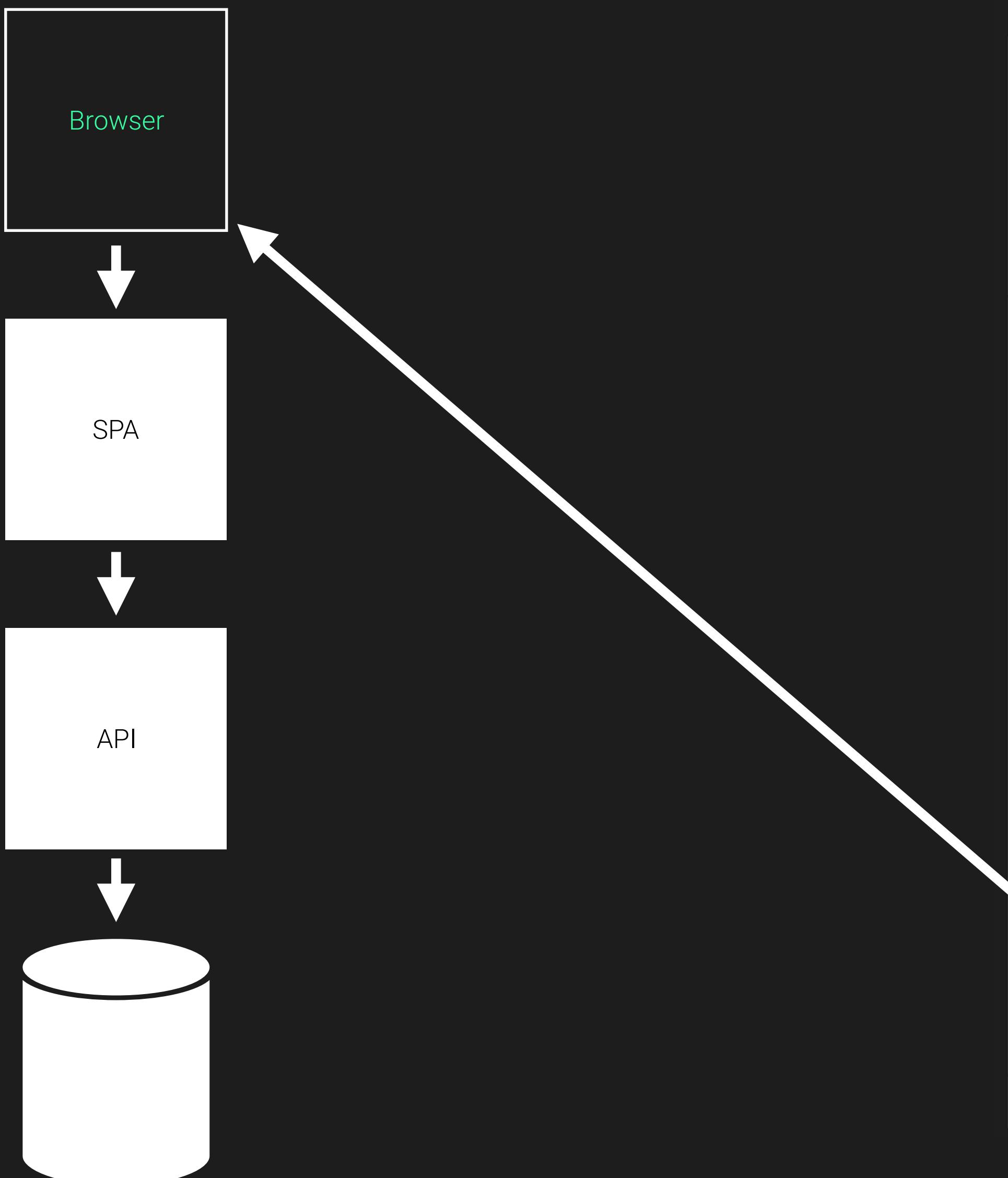
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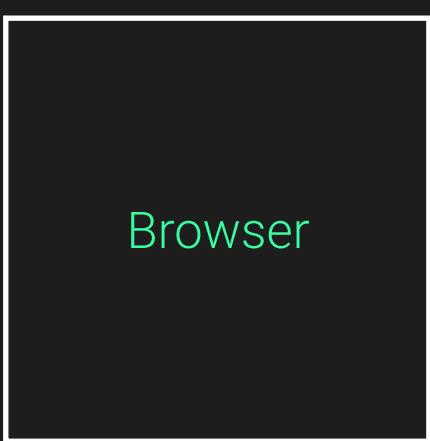
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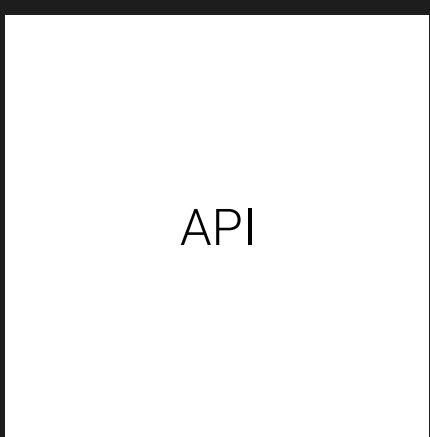
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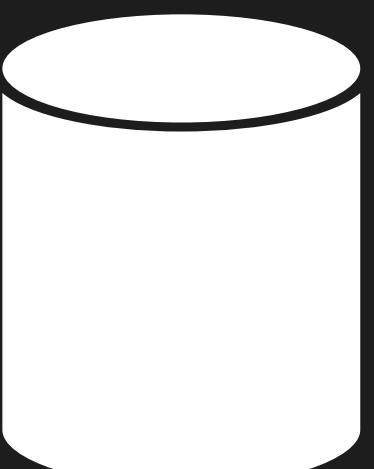
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SPA



API



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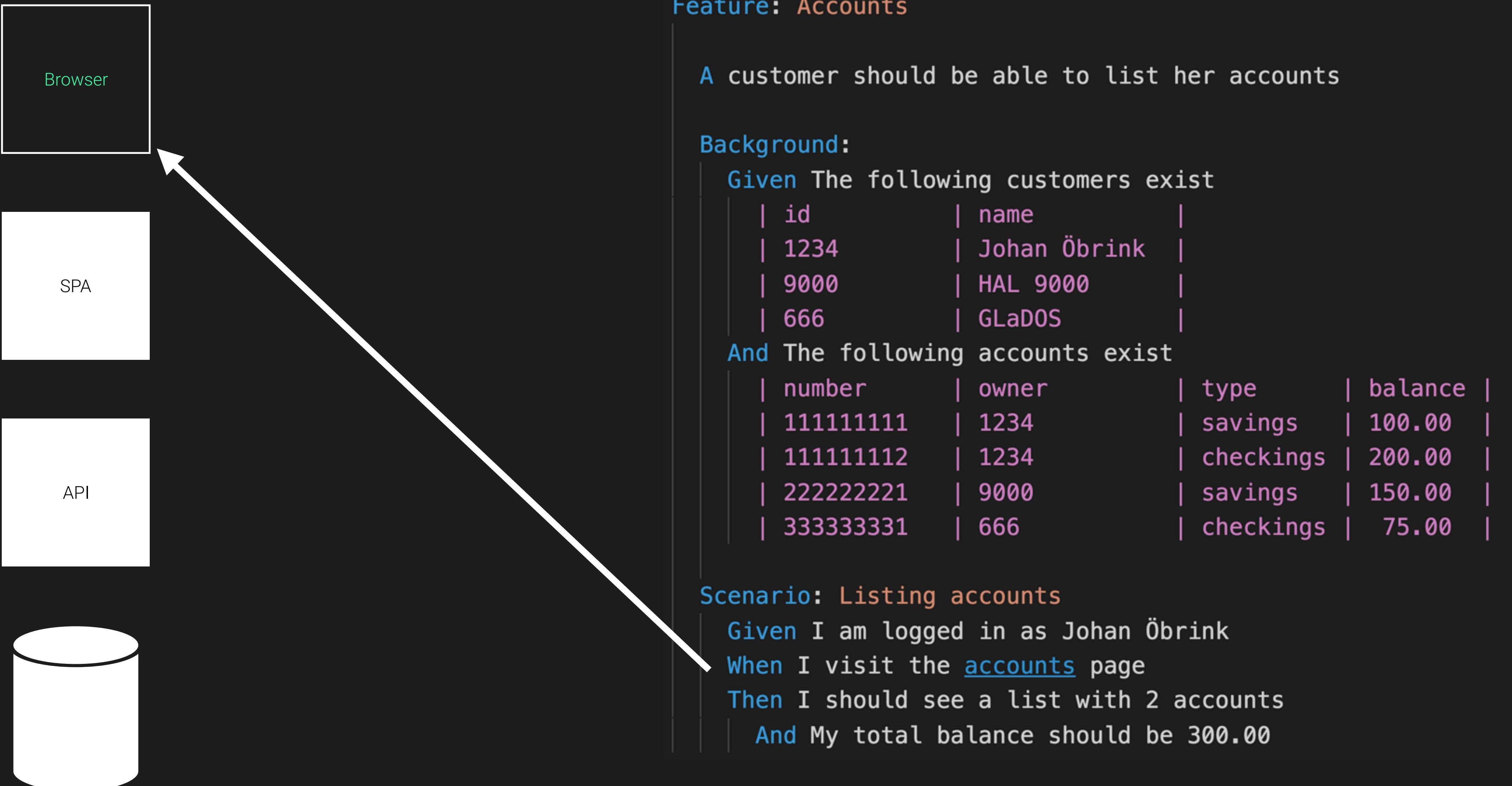
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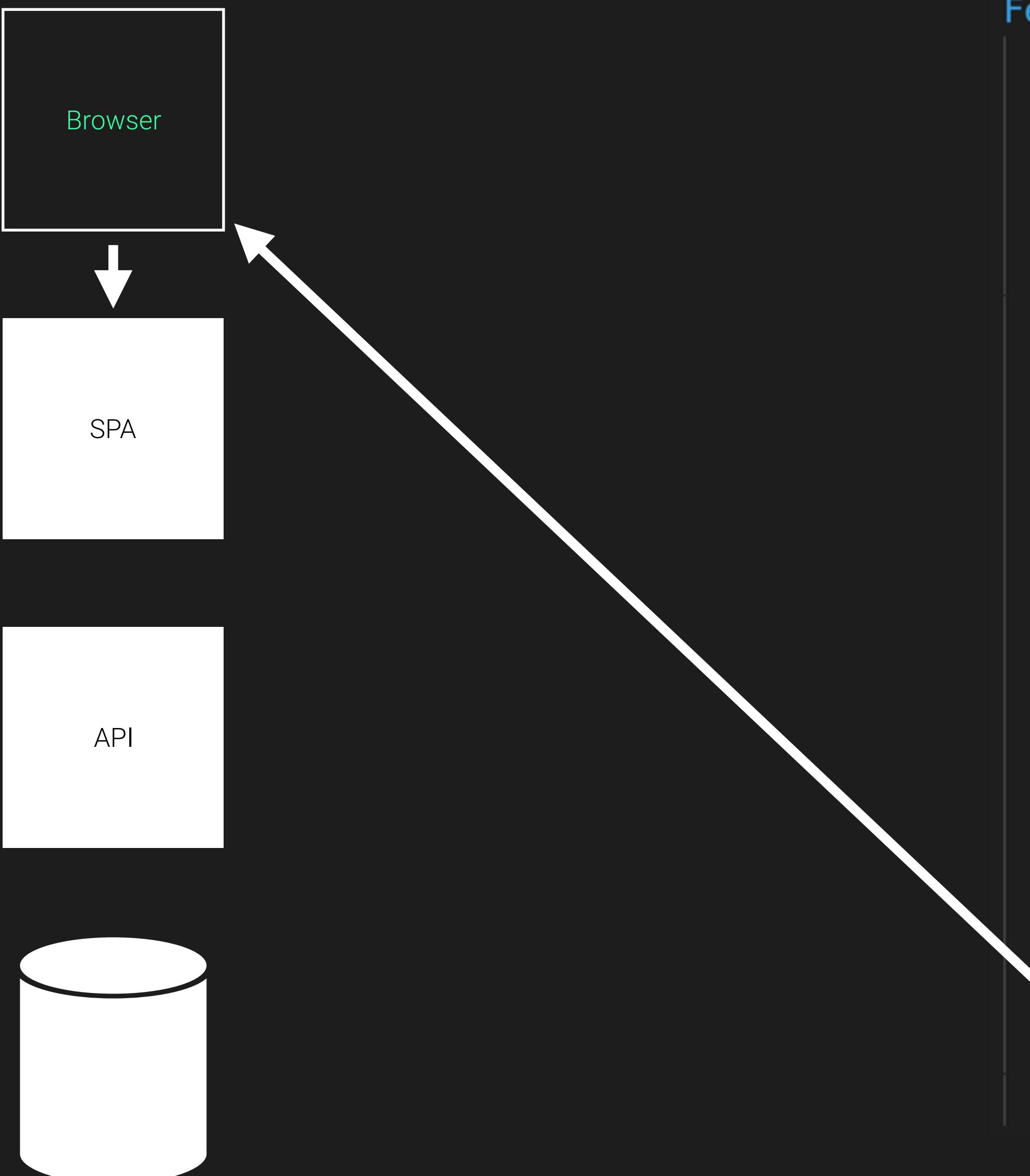
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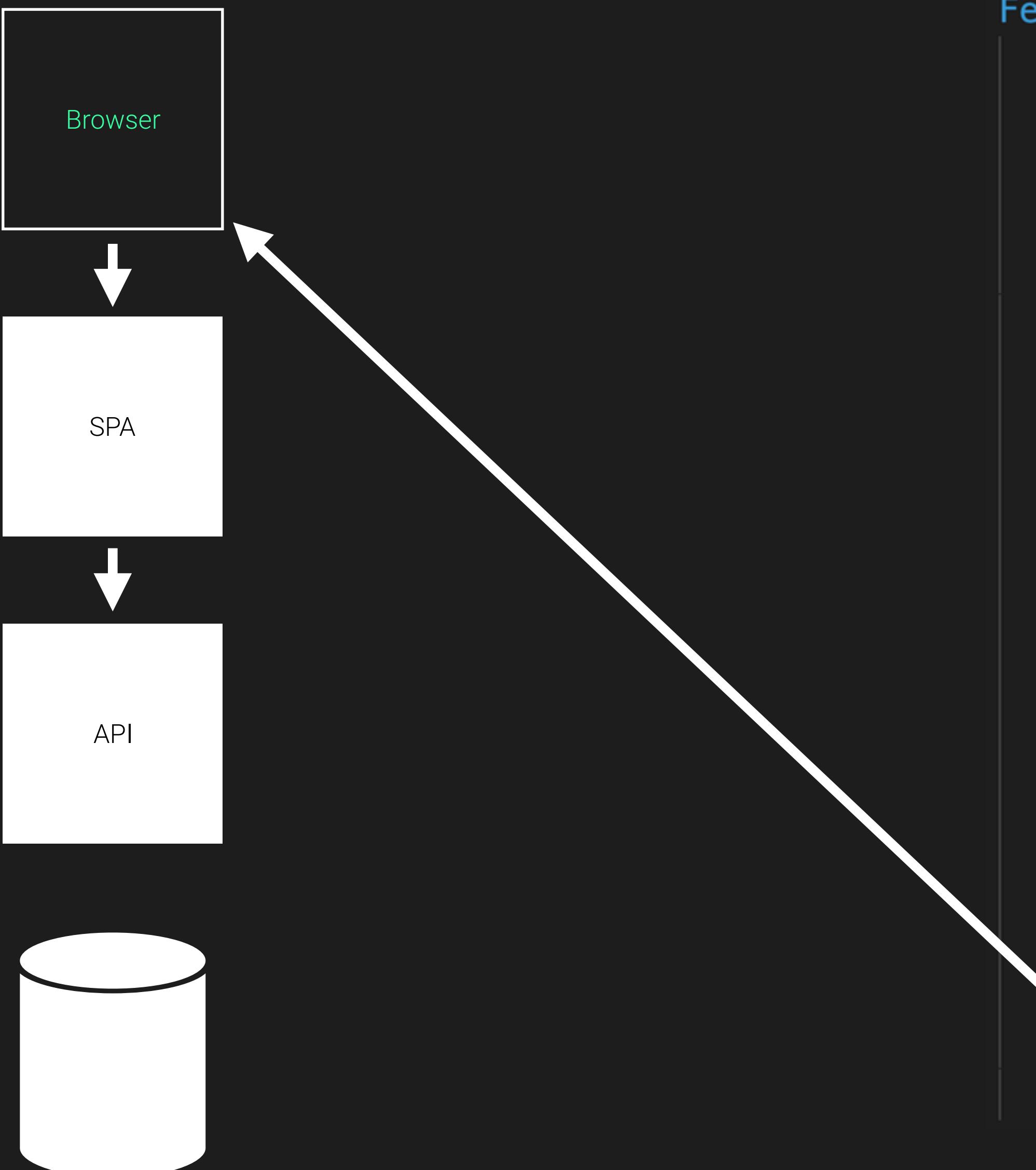
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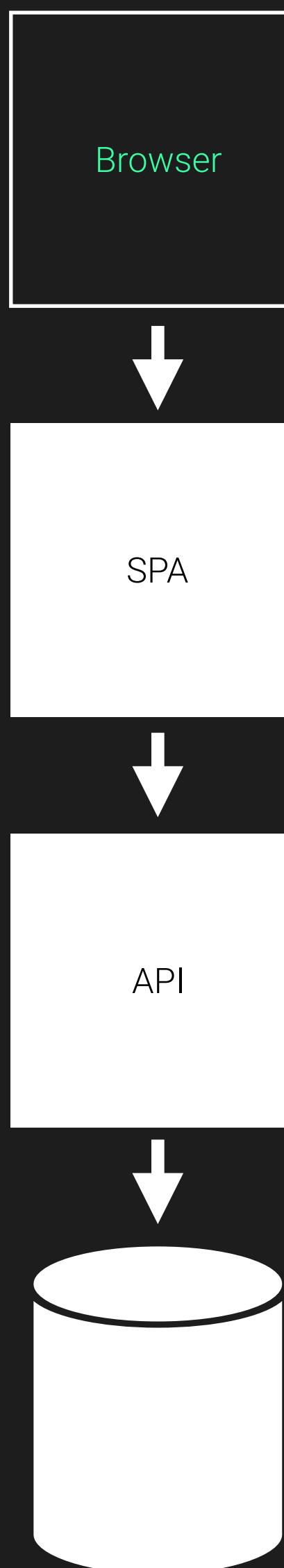
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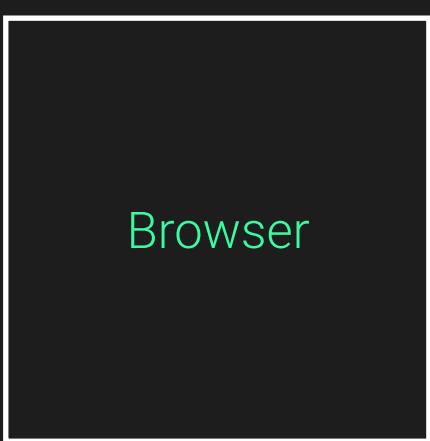
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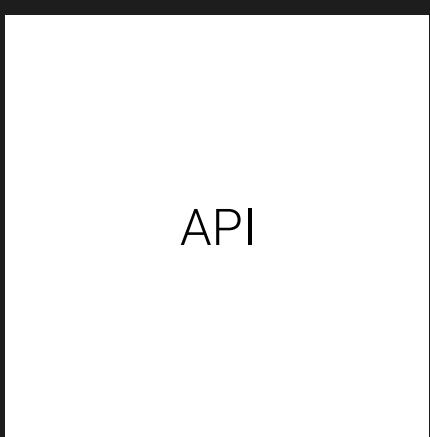
ITEM



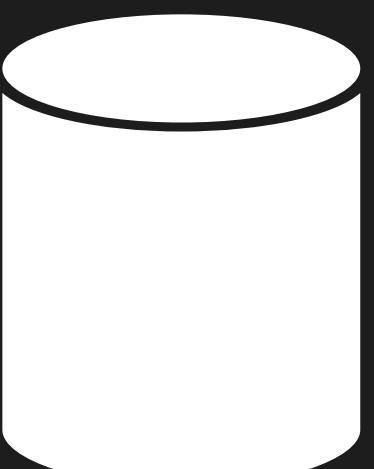
Browser



SPA



API



Feature: Accounts

A customer should be able to list her accounts

Background:

Given The following customers exist

	id	name
	1234	Johan Öbrink
	9000	HAL 9000
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And The following accounts exist

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Scenario: Listing accounts

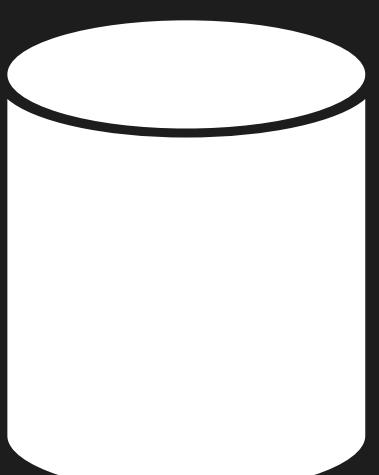
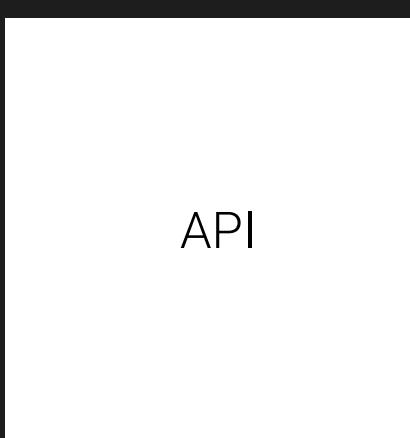
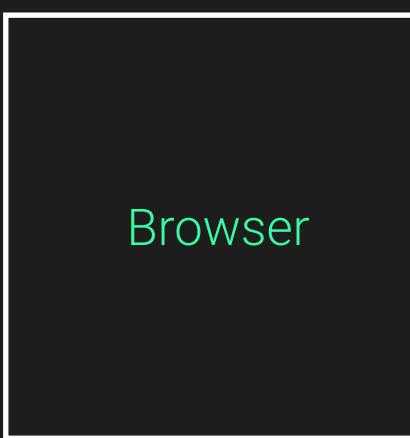
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ITEM



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Scenario: Listing accounts

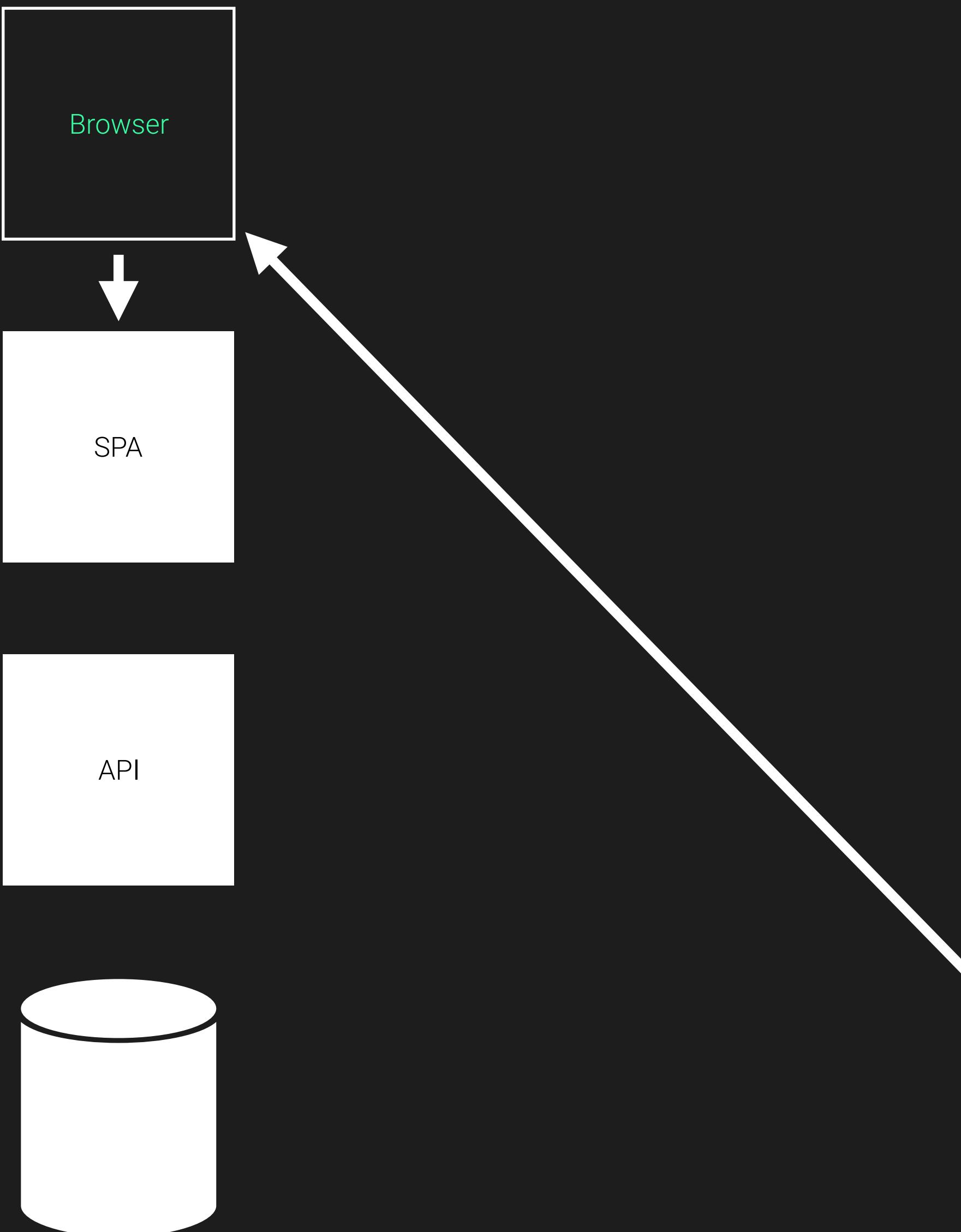
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Scenario: Listing accounts

Given I am logged in as Johan Öbrink

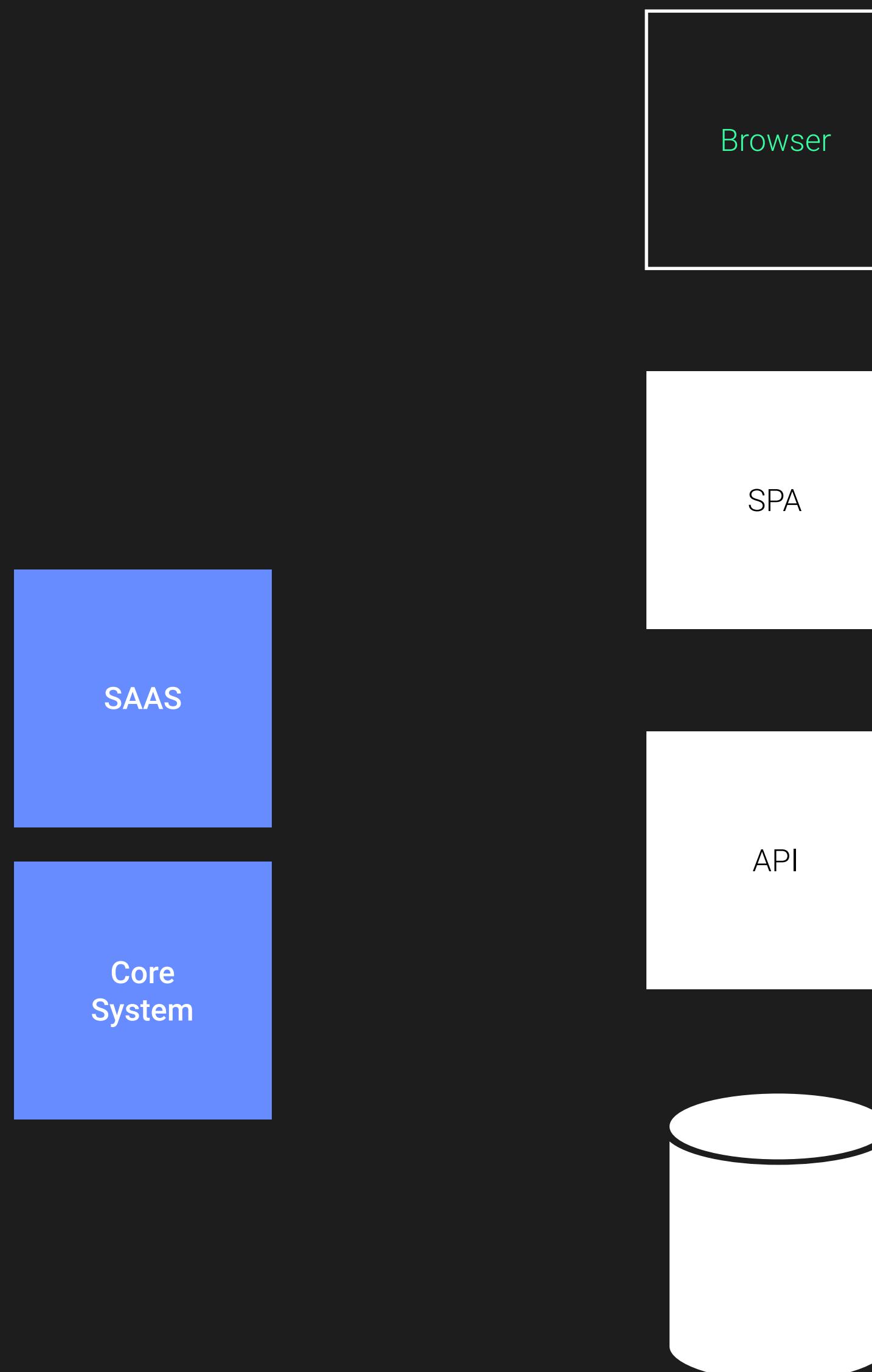
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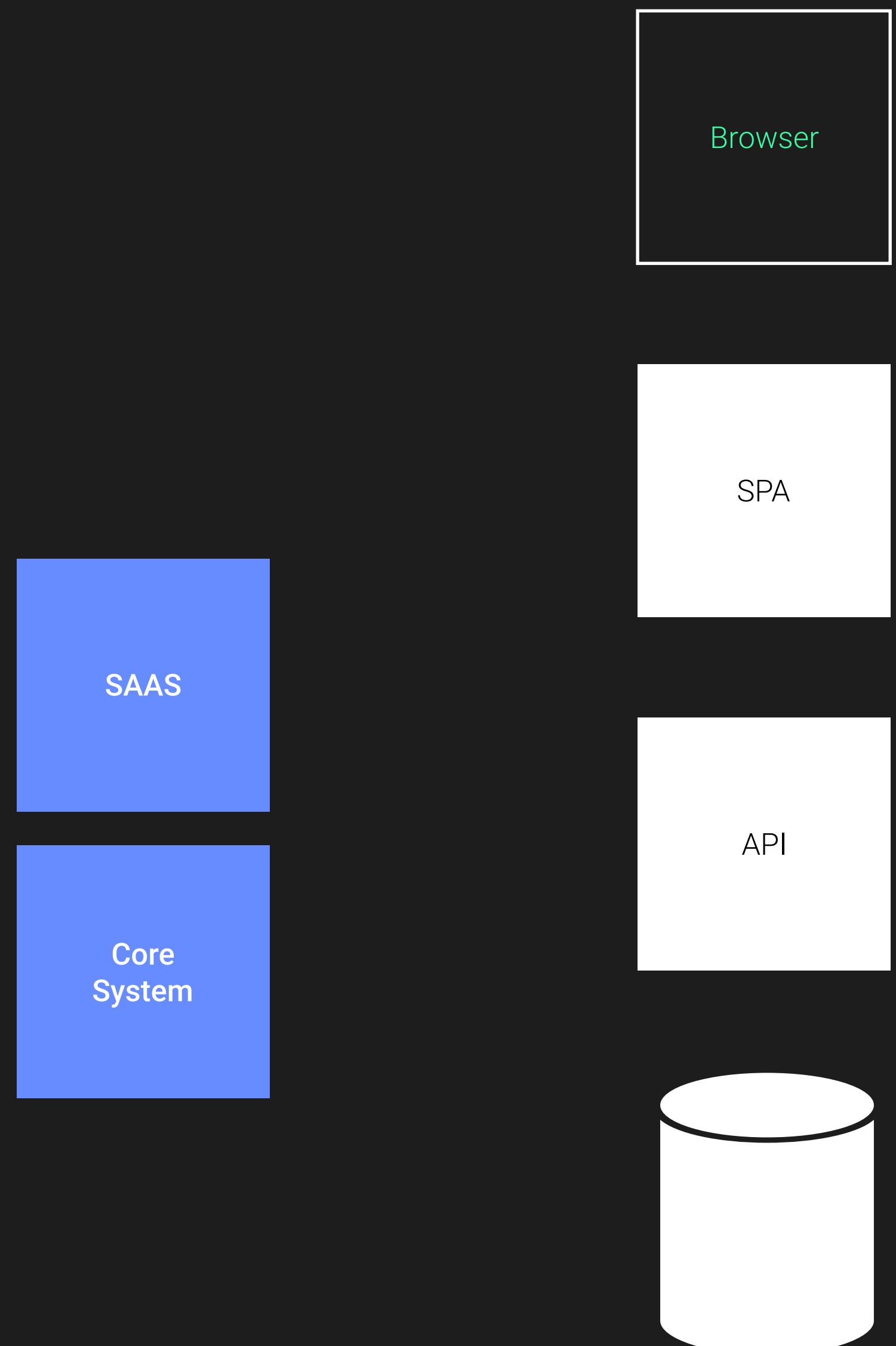
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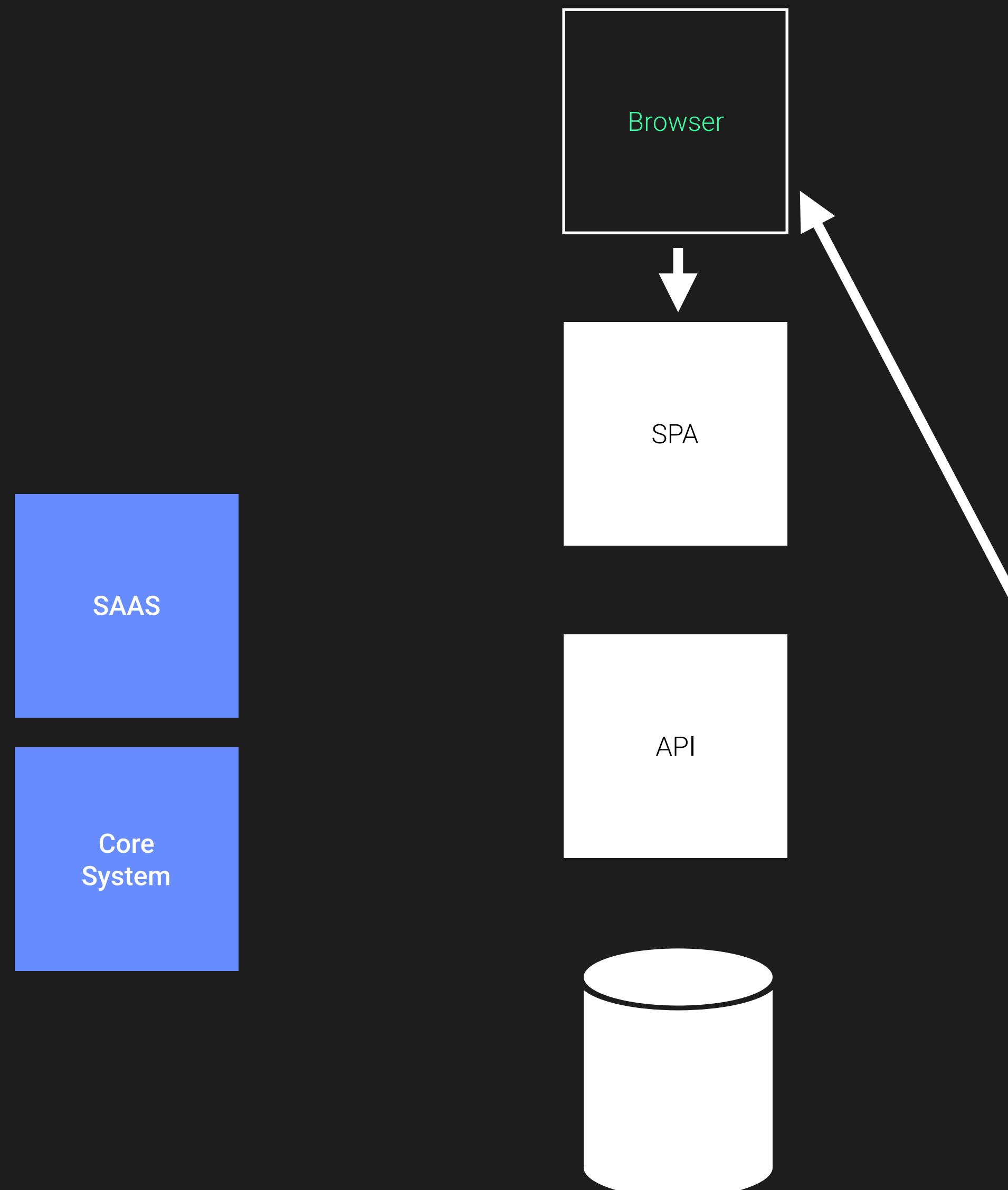
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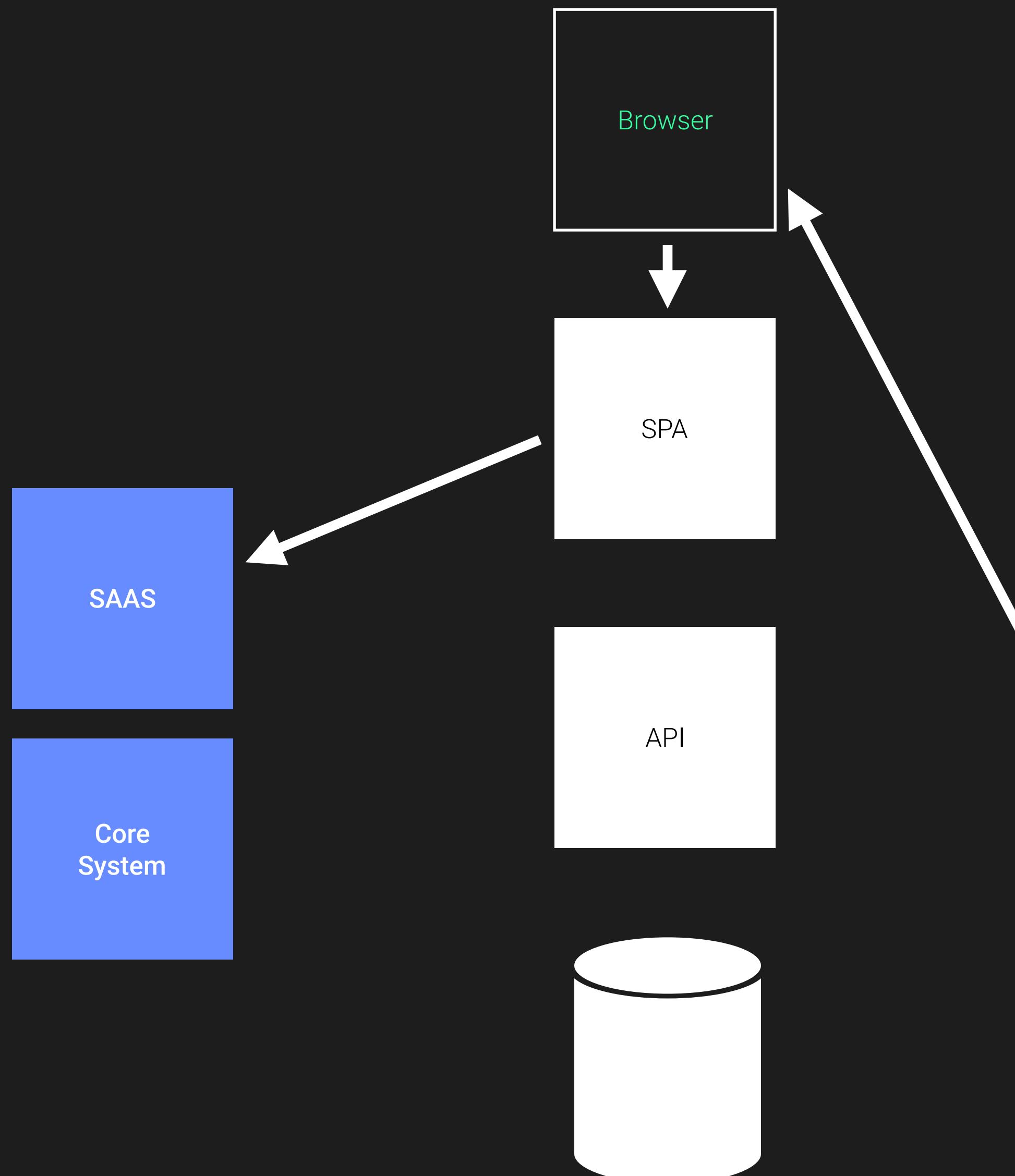
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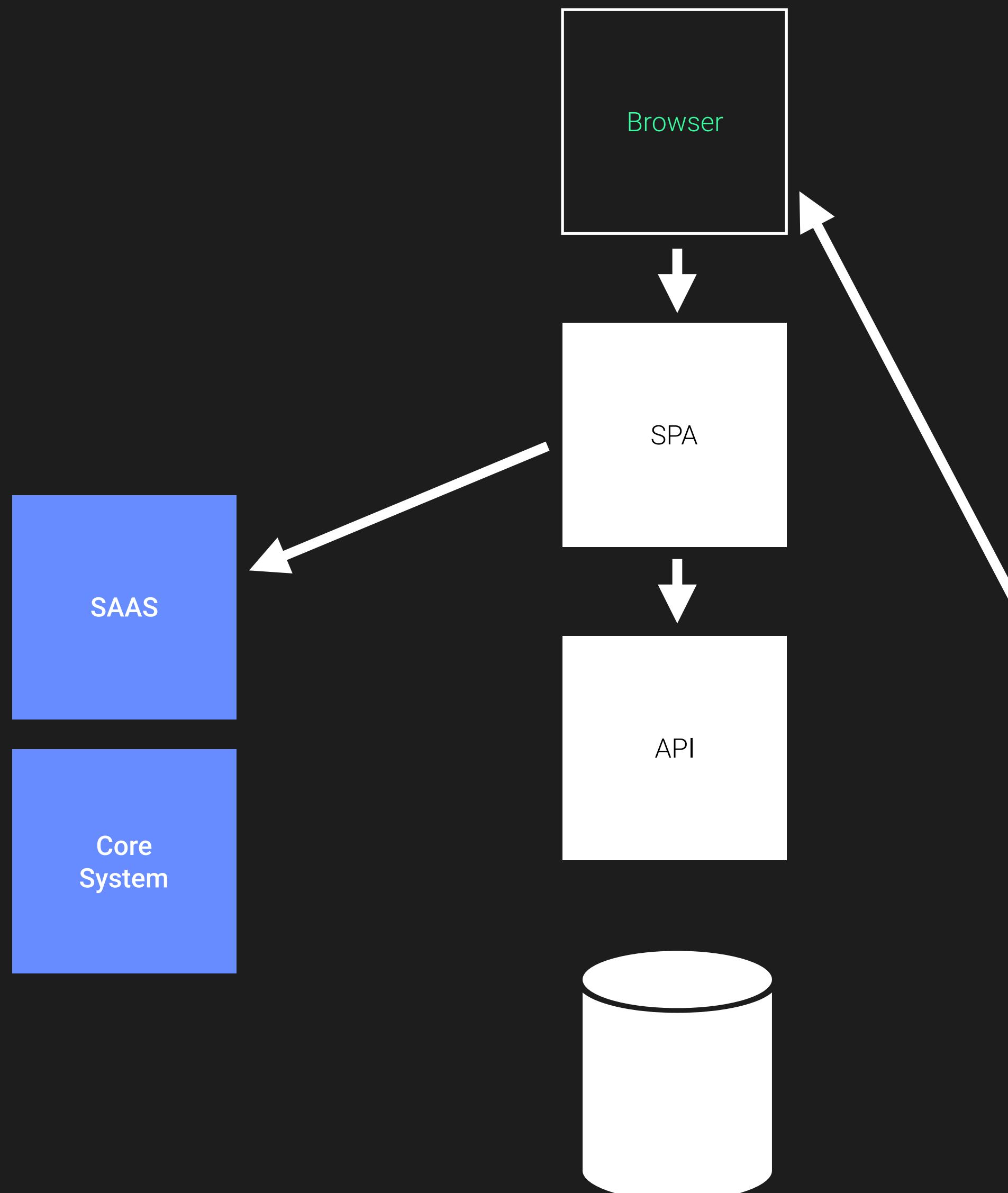
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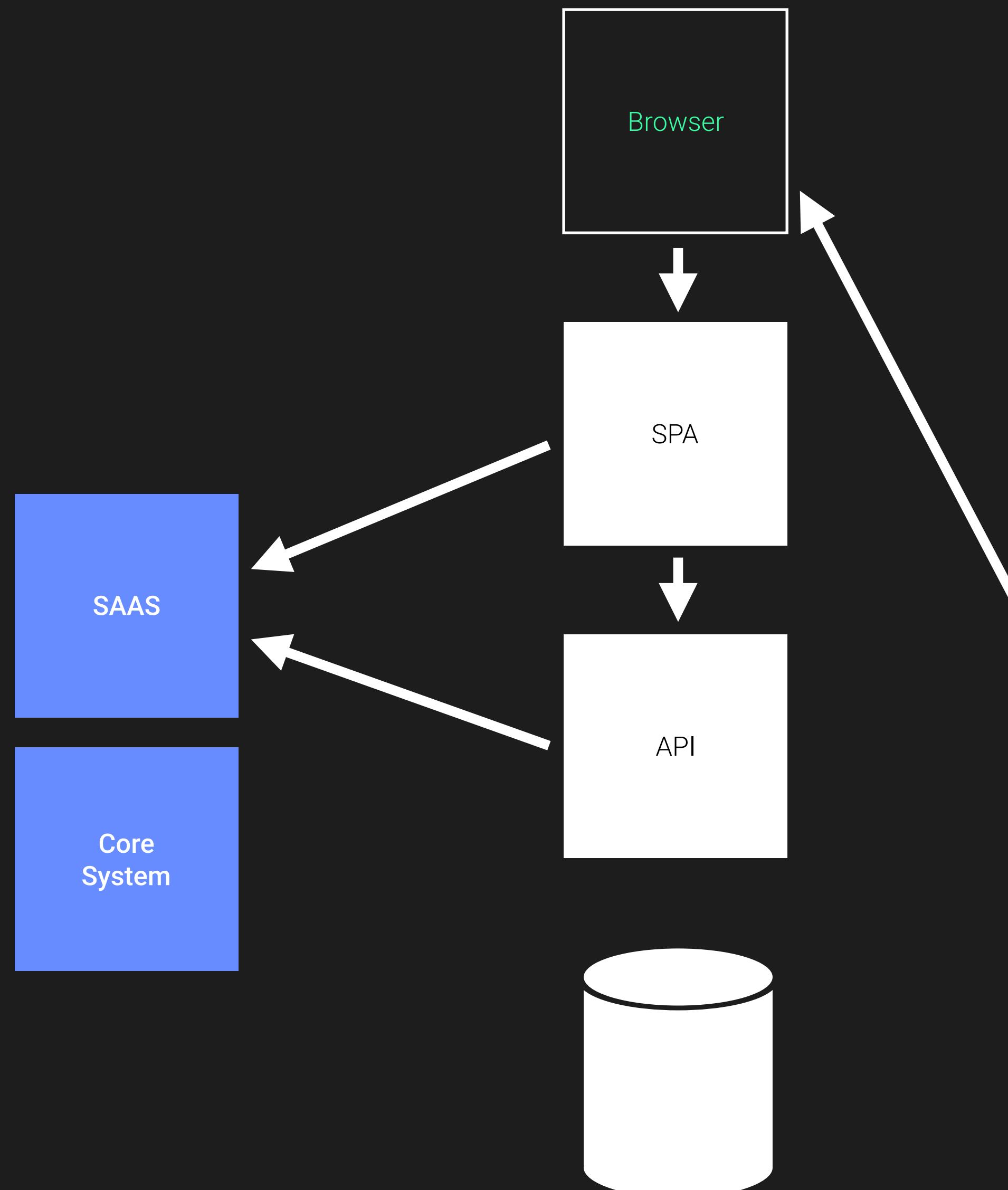
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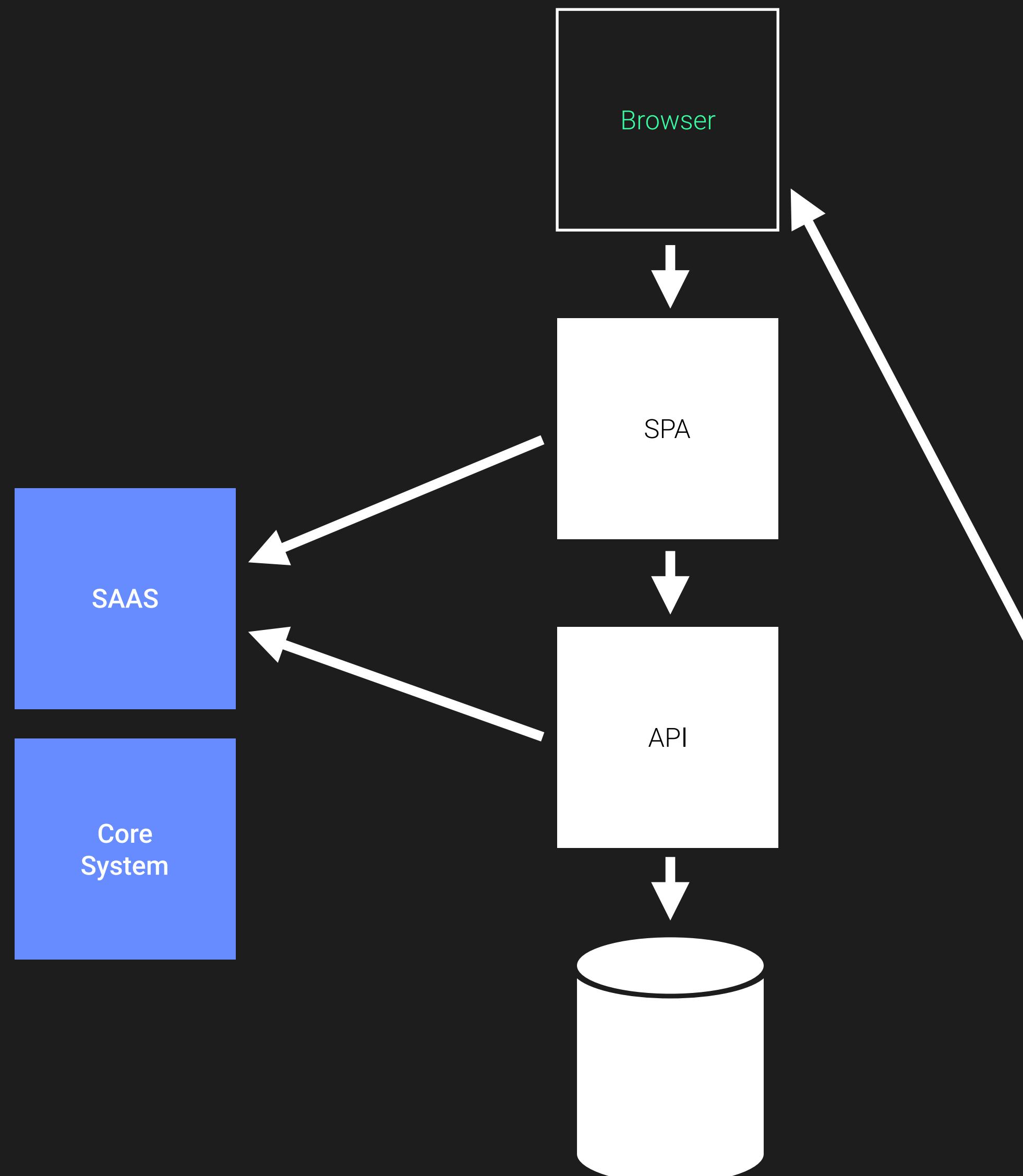
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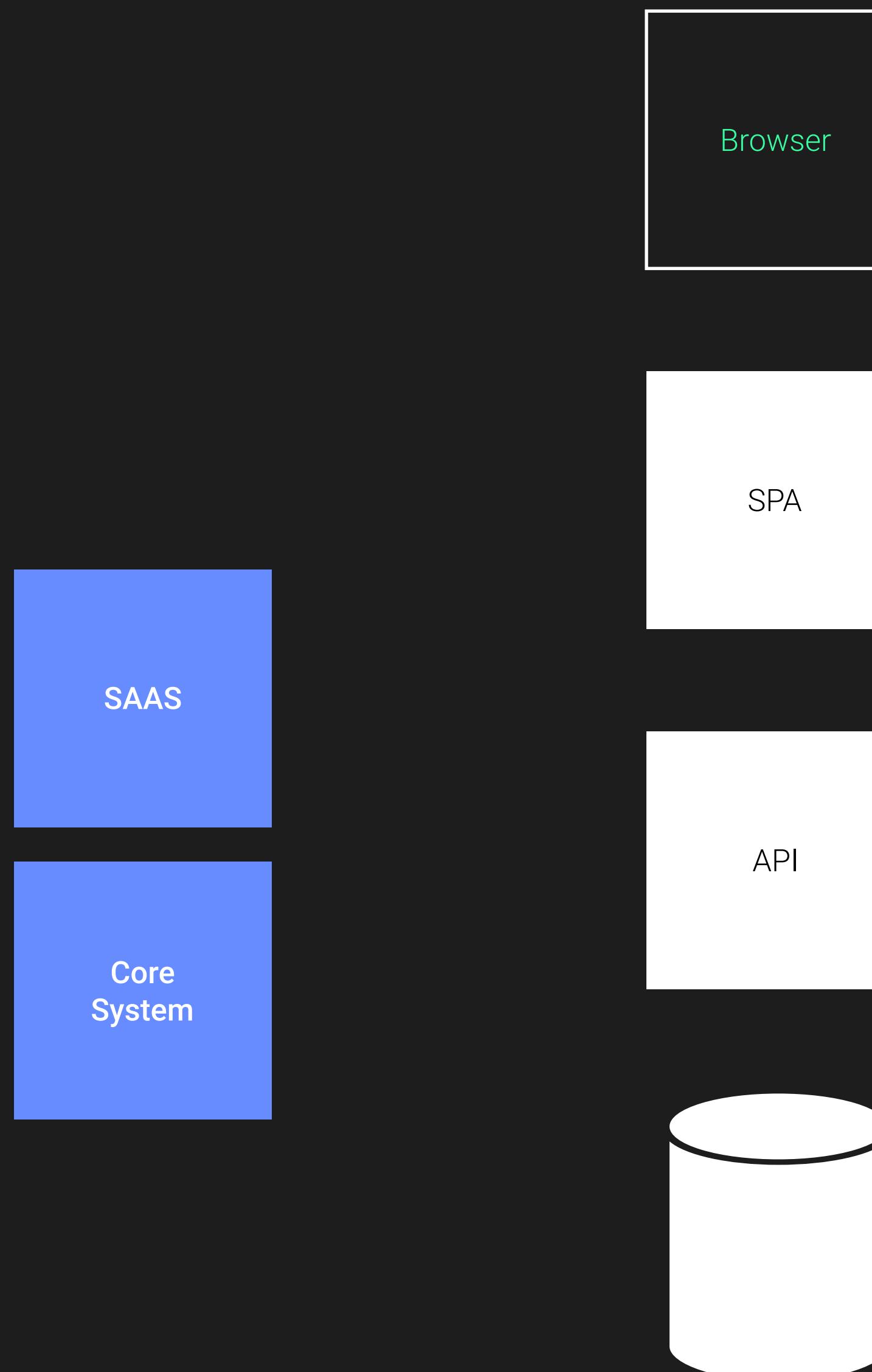
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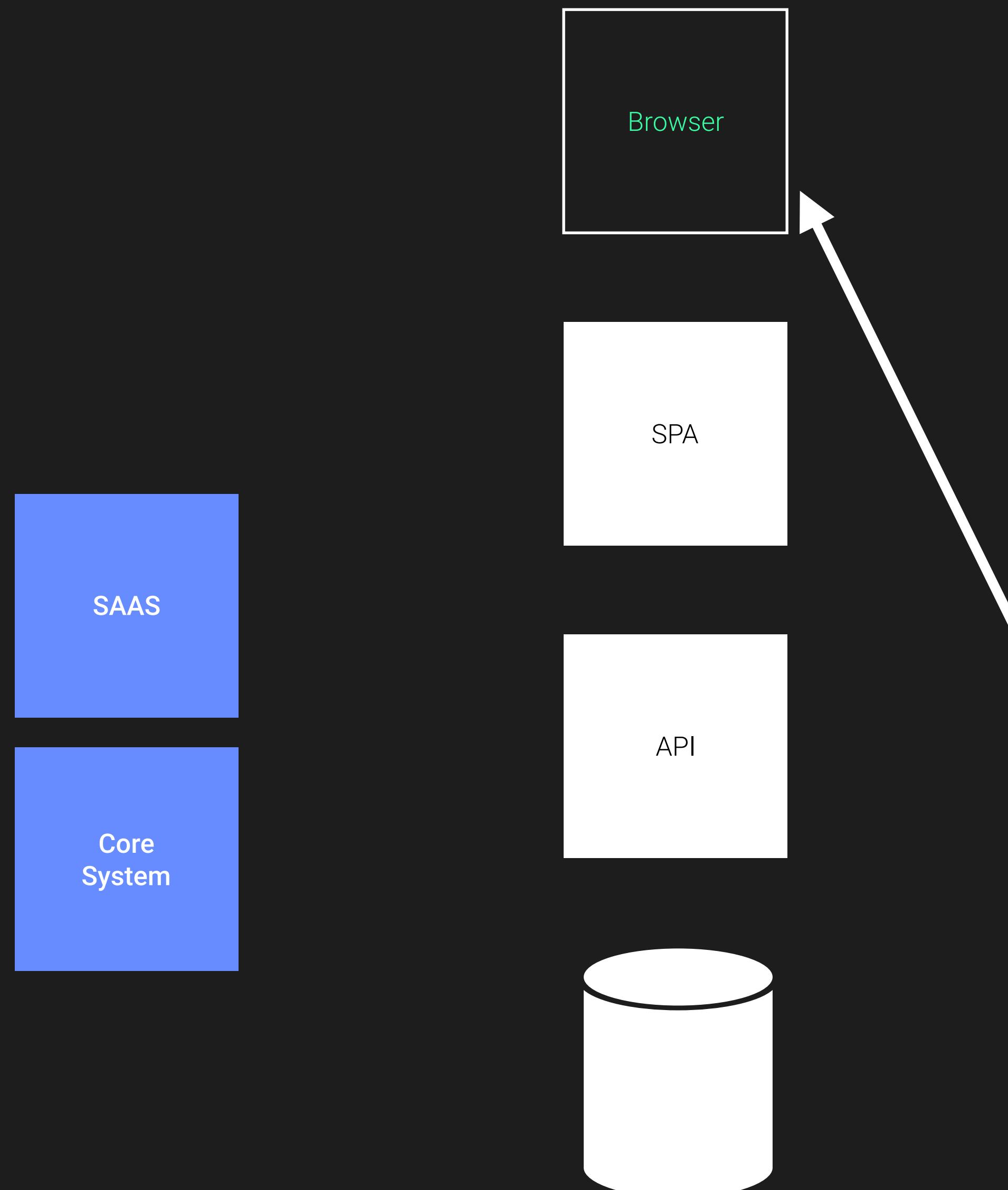
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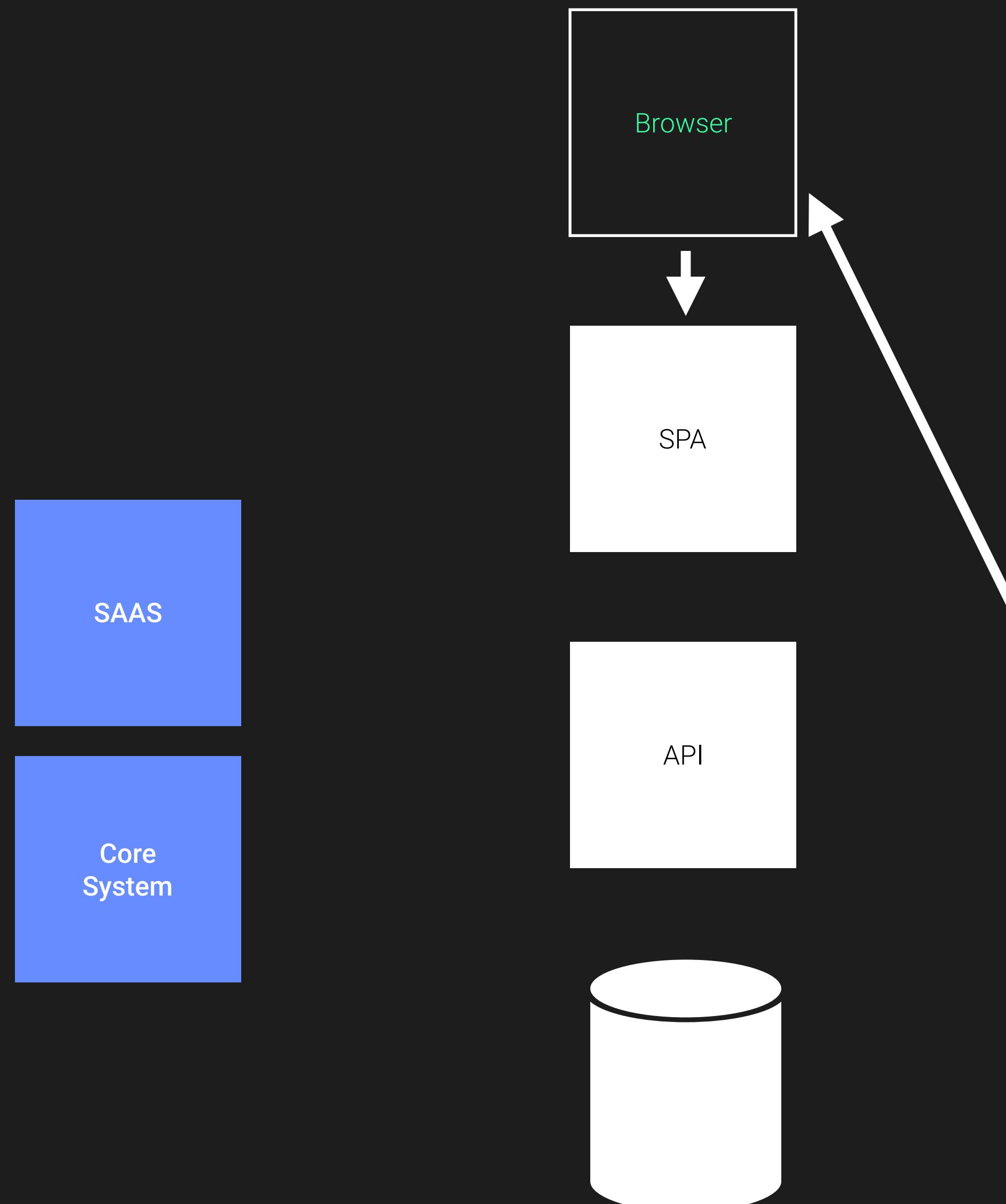
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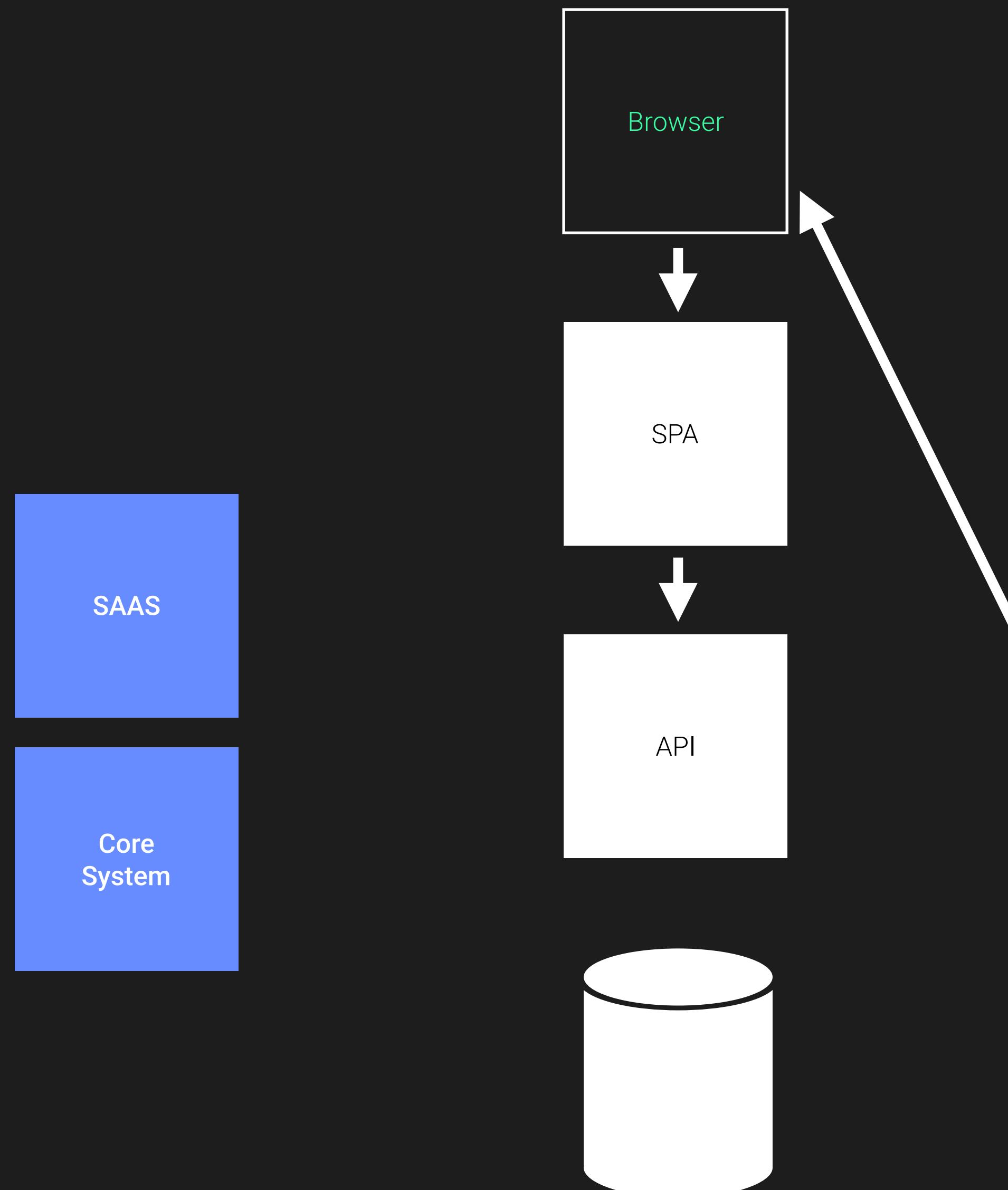
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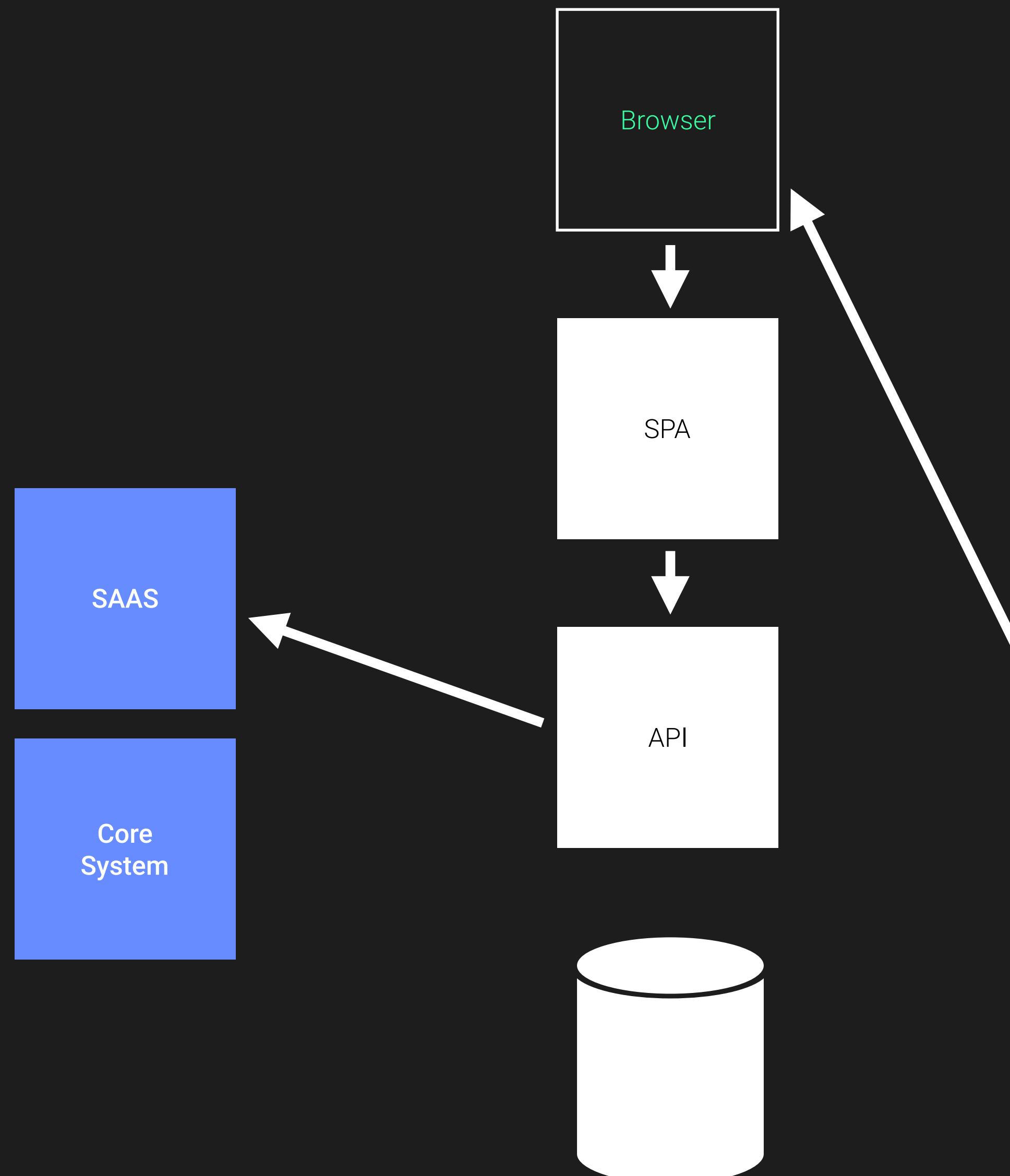
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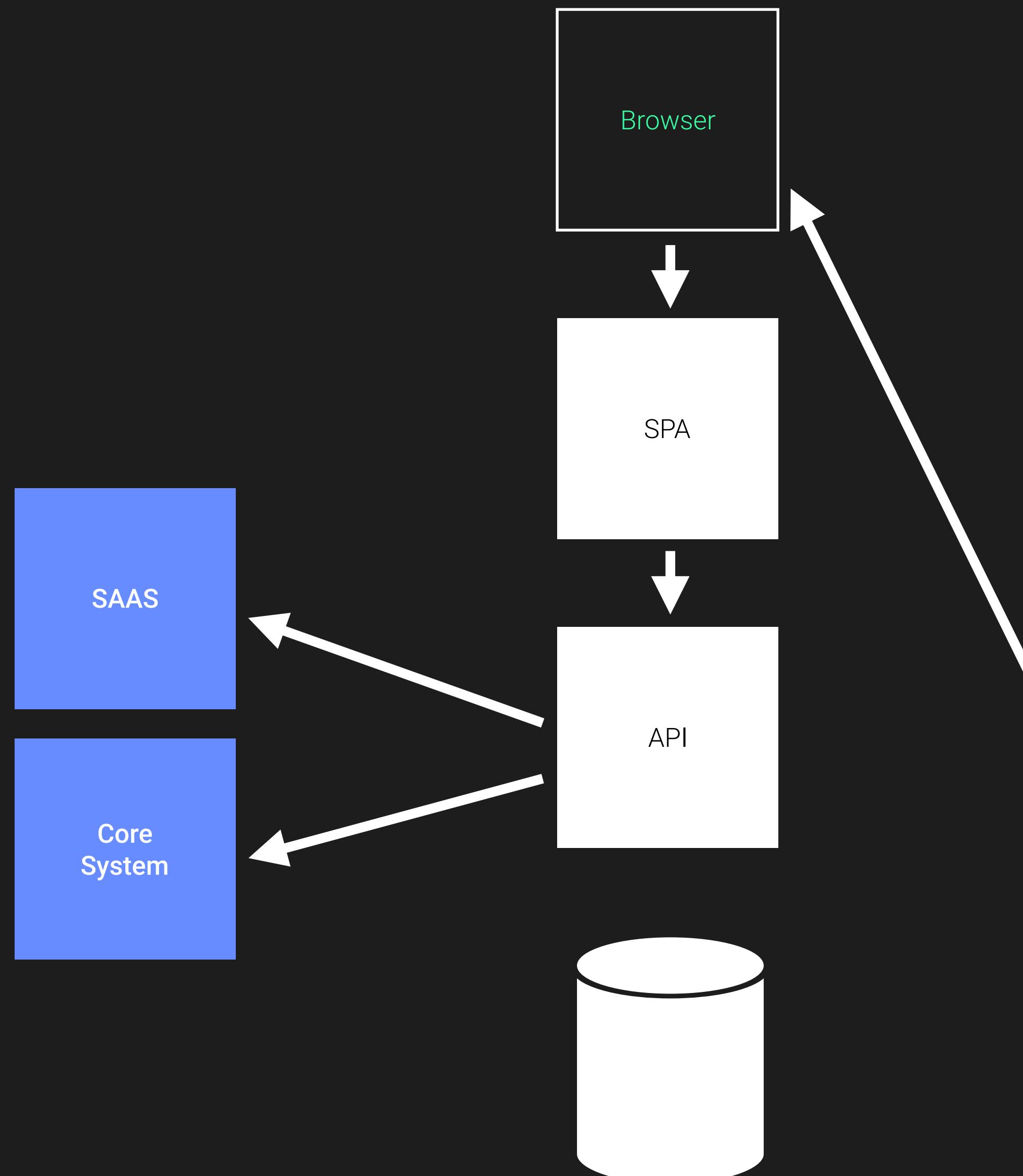
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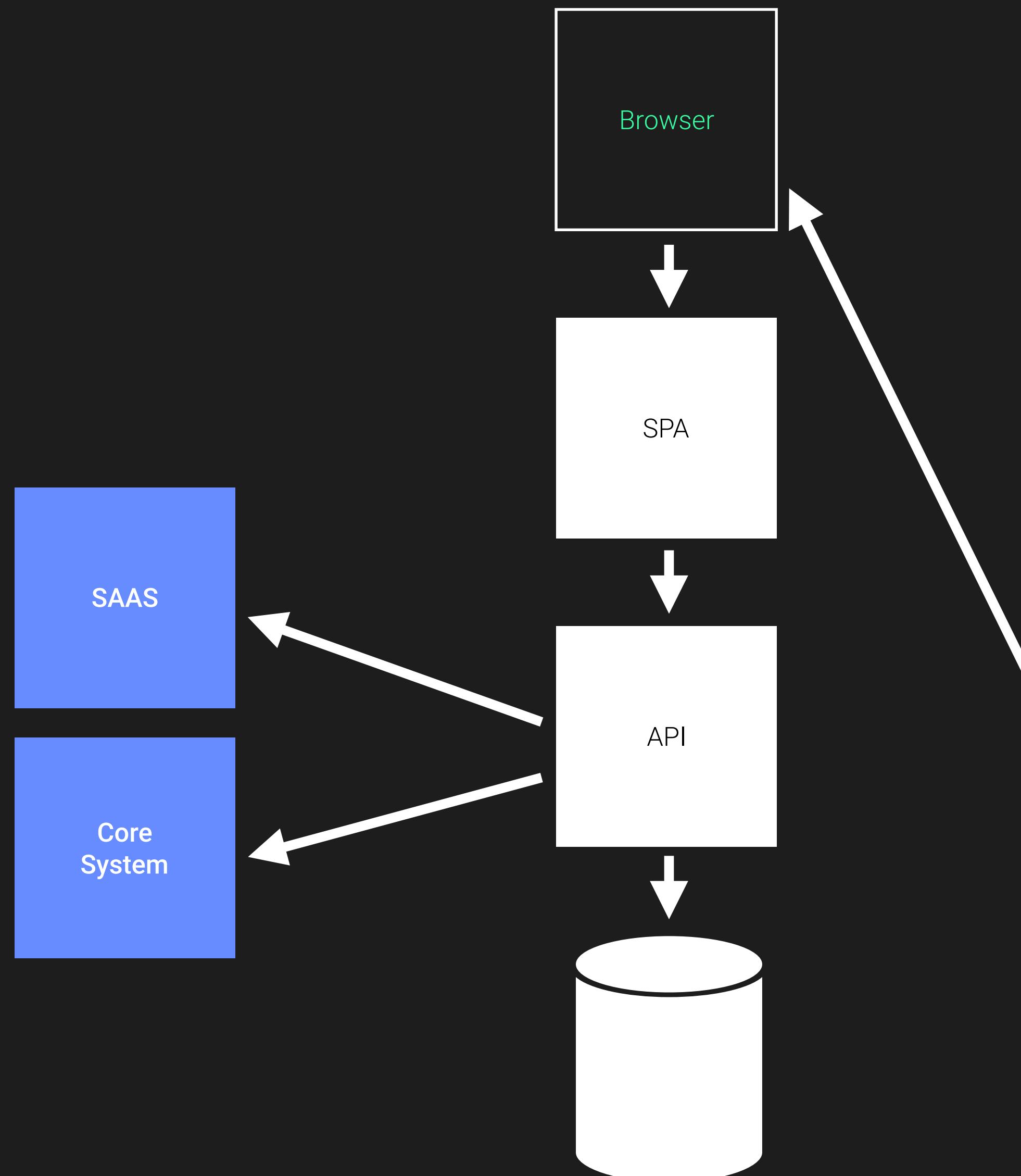
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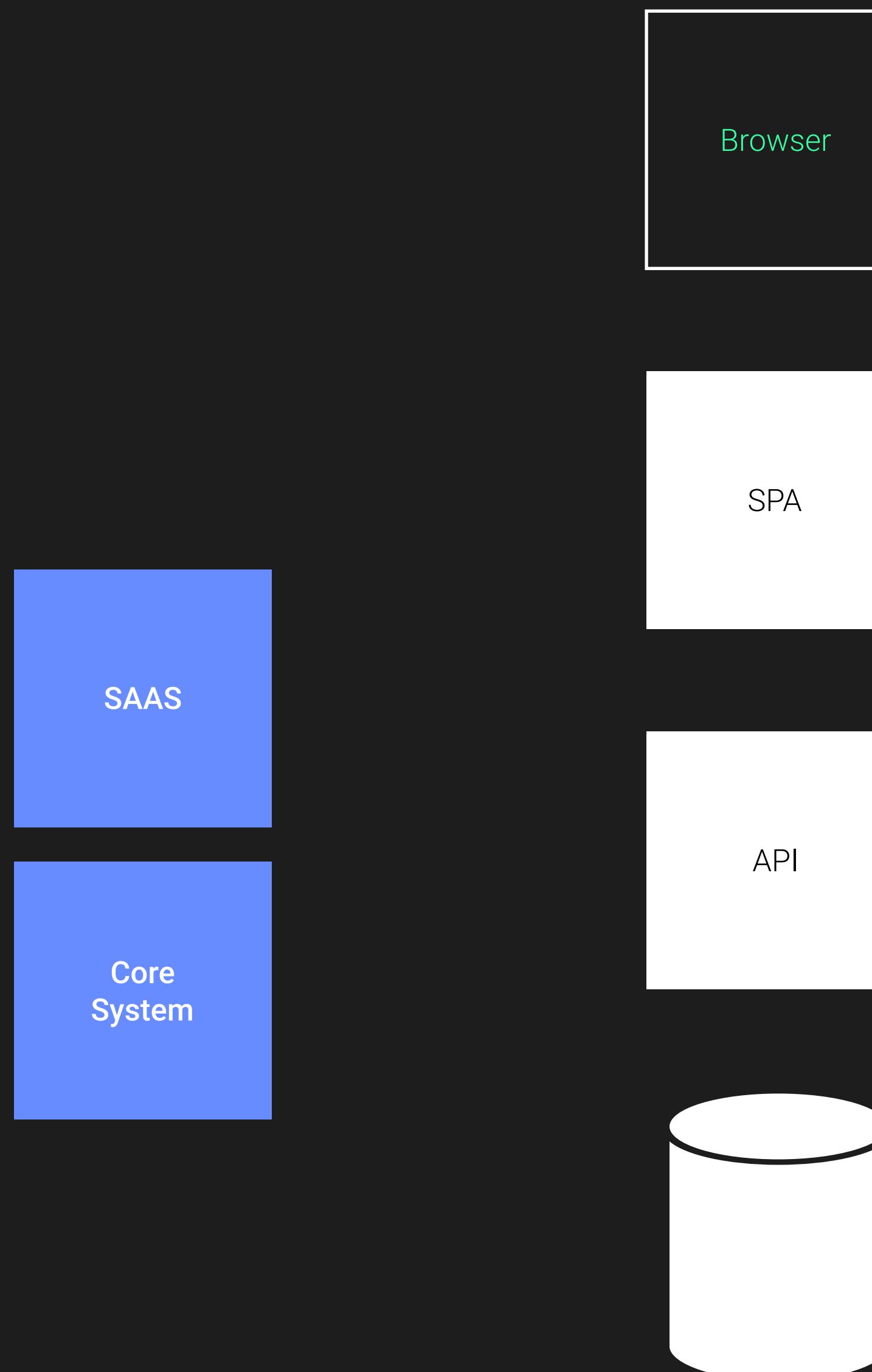
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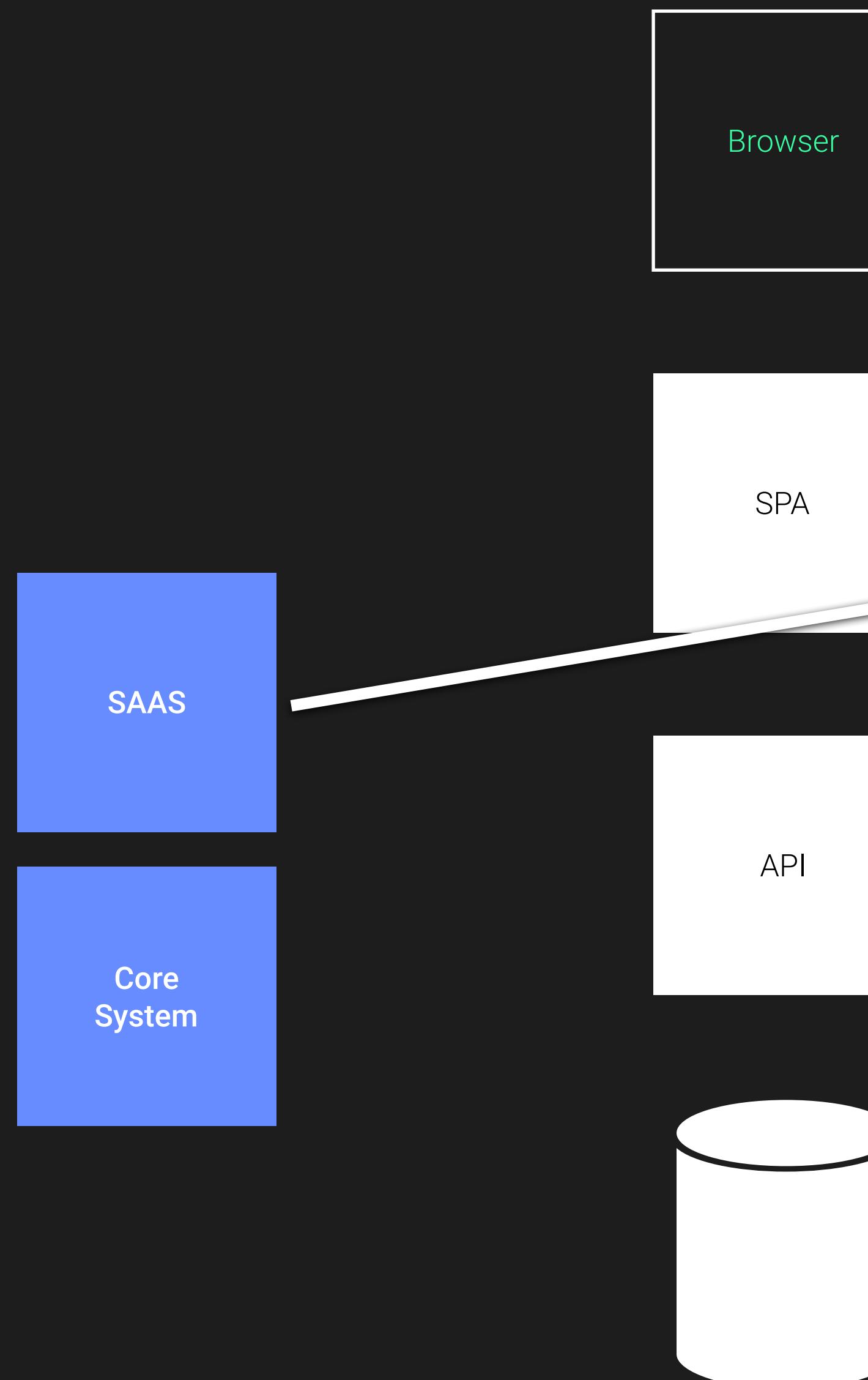
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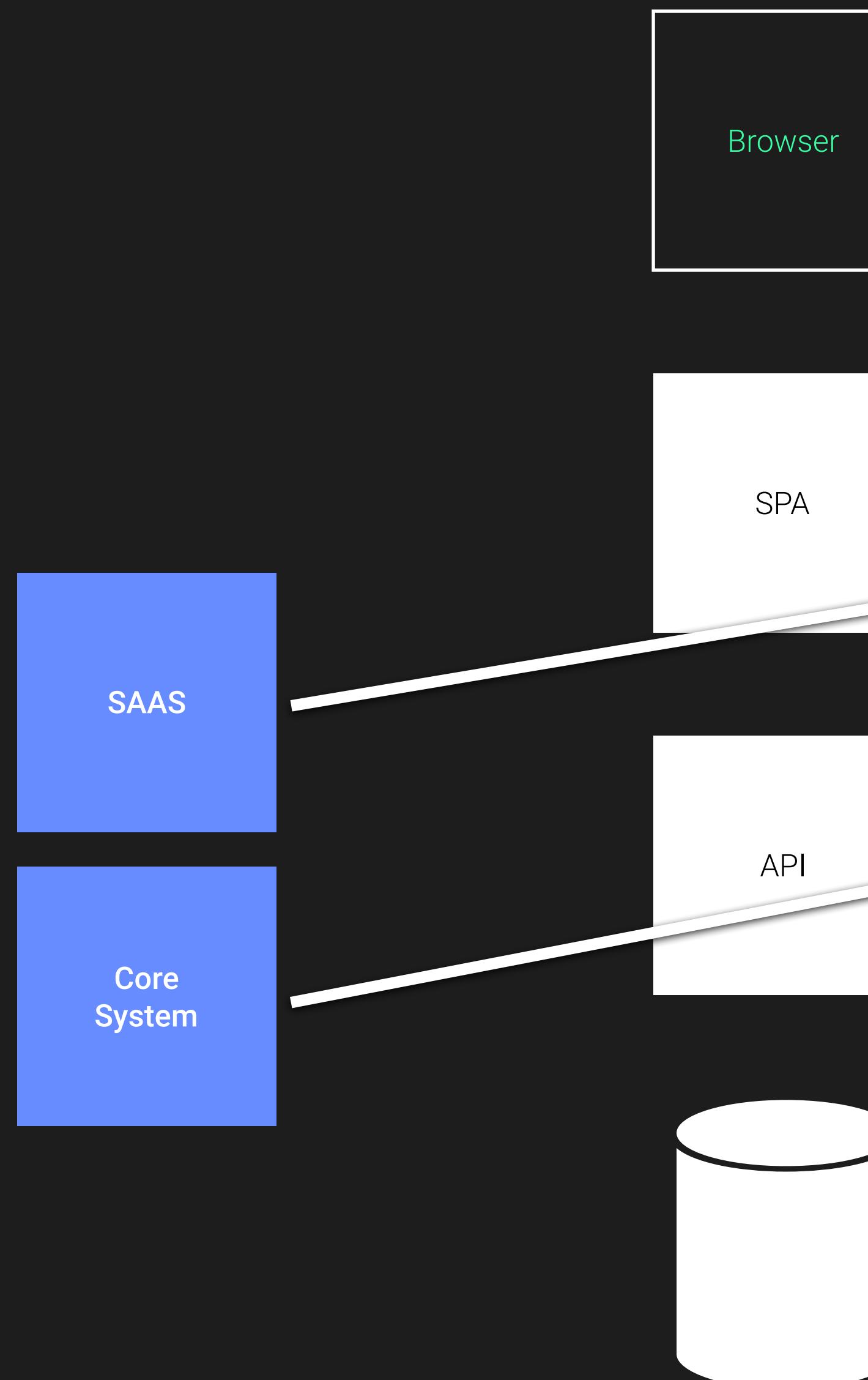
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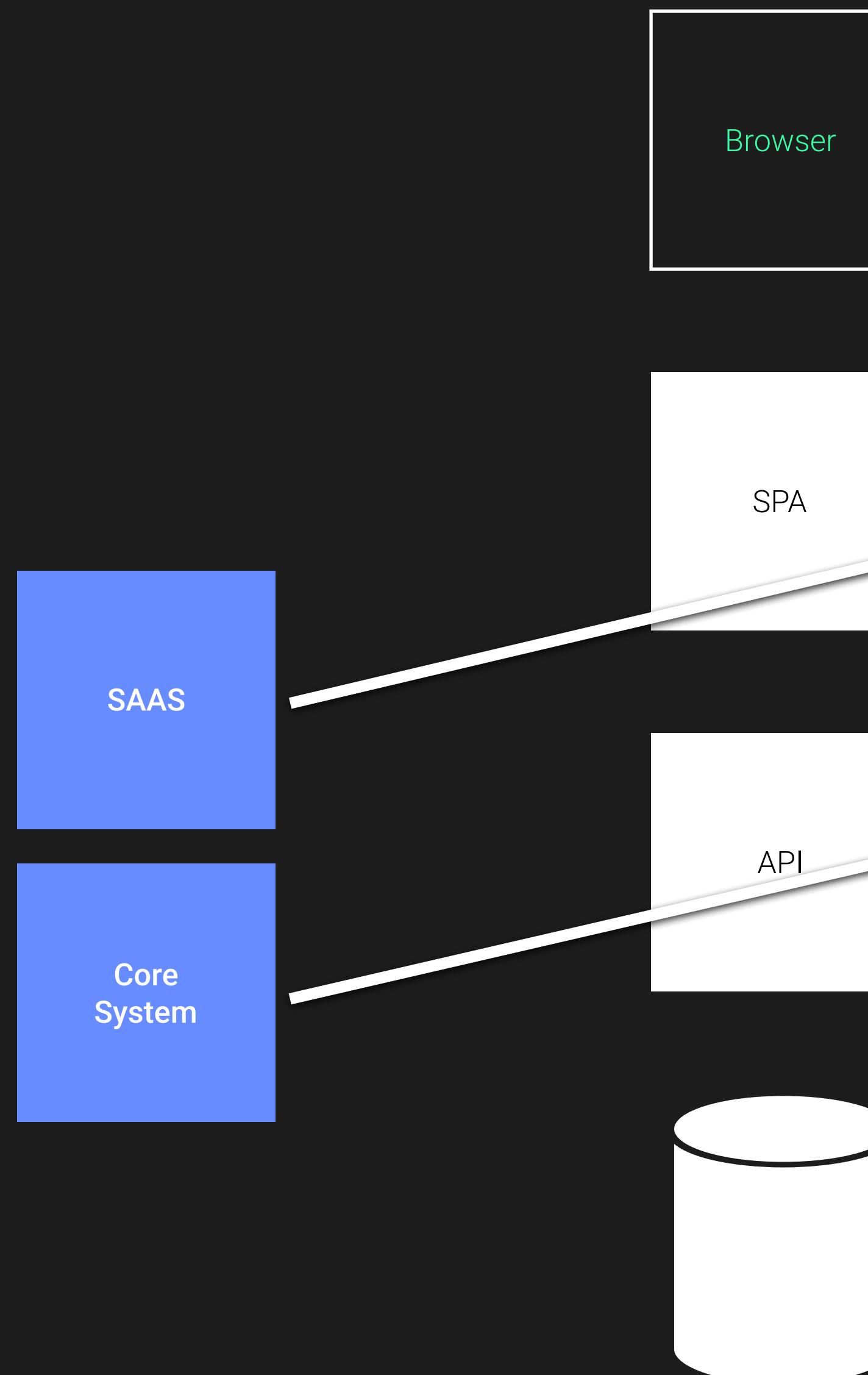
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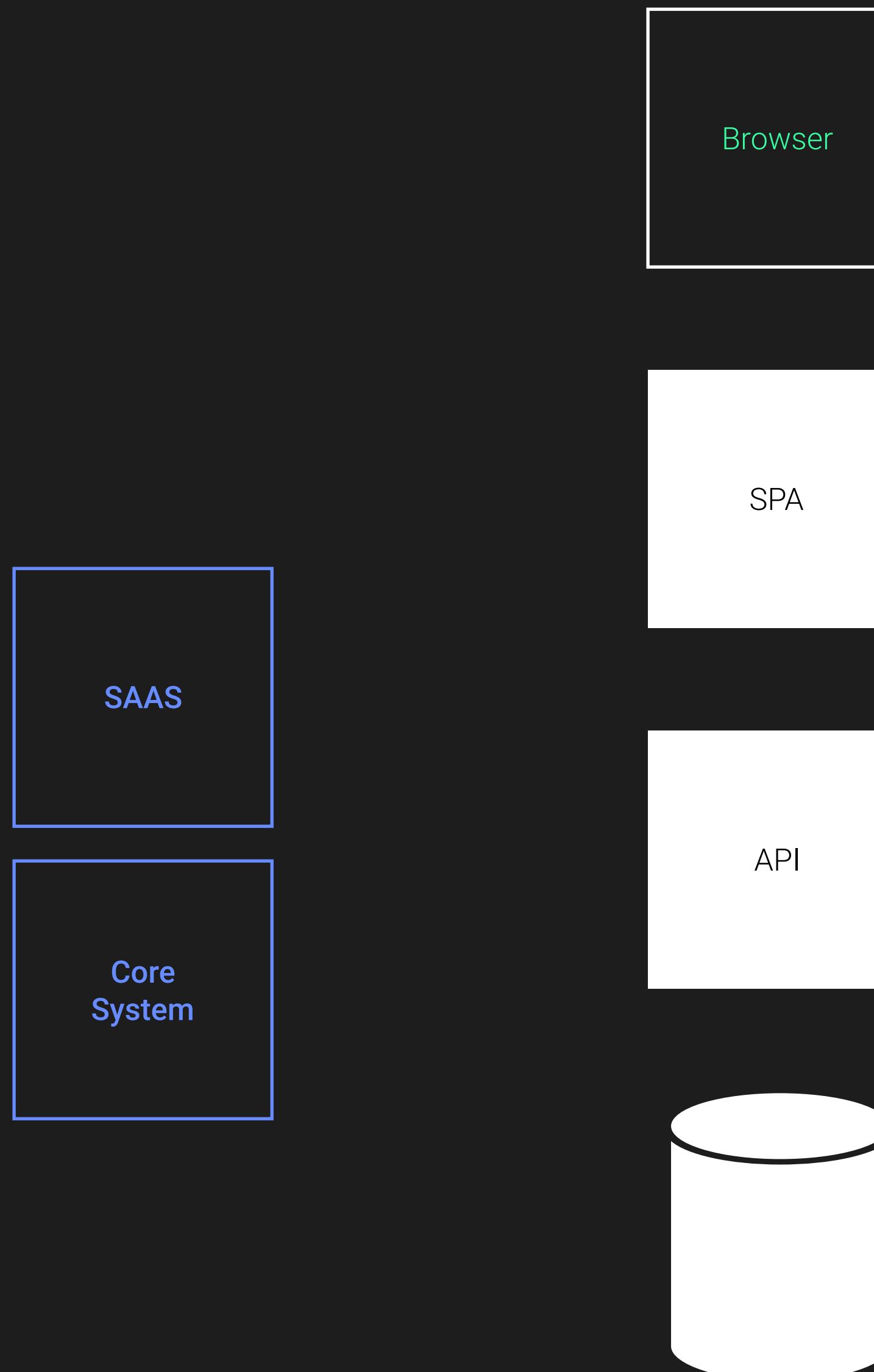
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Scenario: Create account

I TEAM

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ITEM



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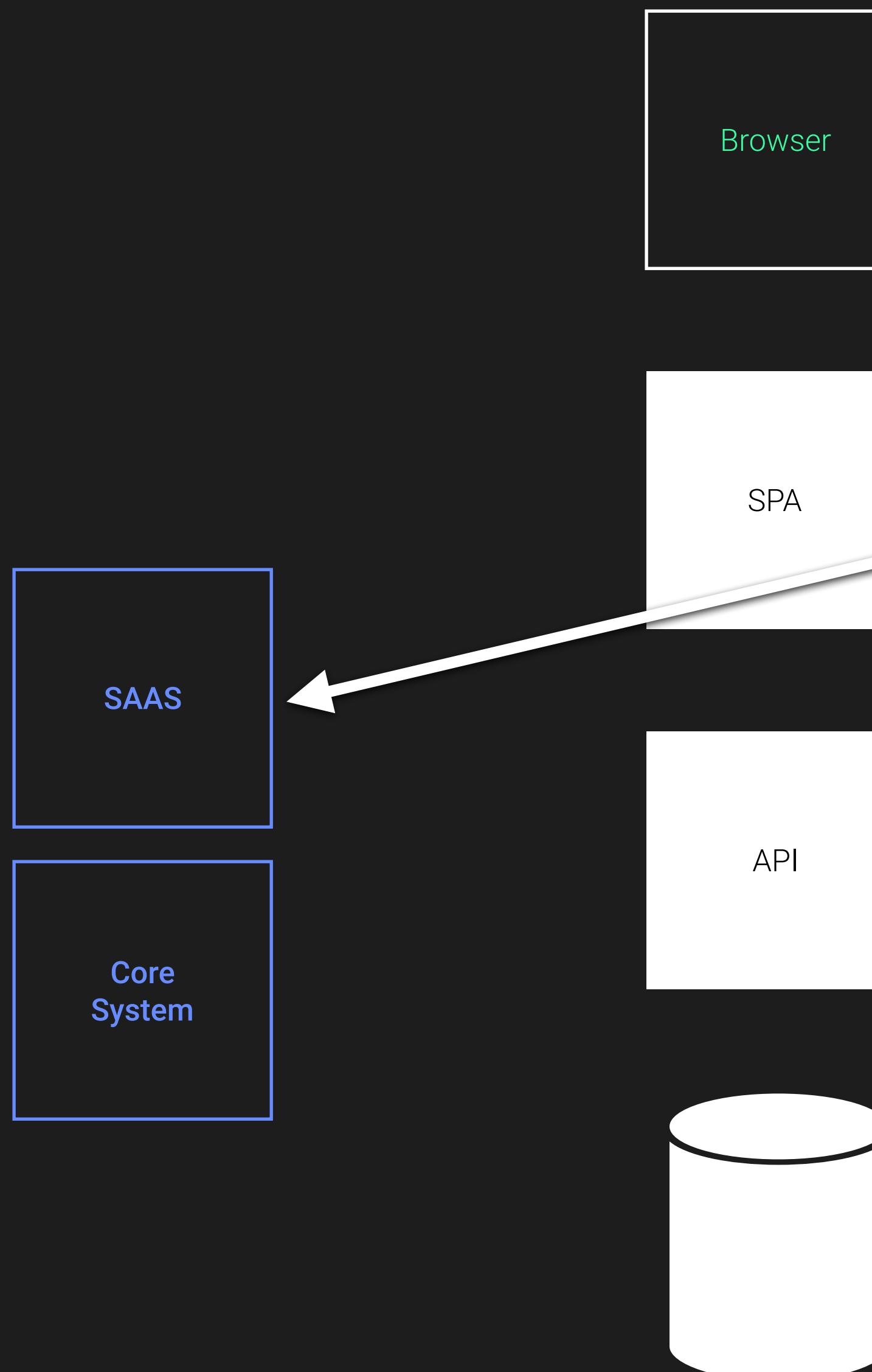
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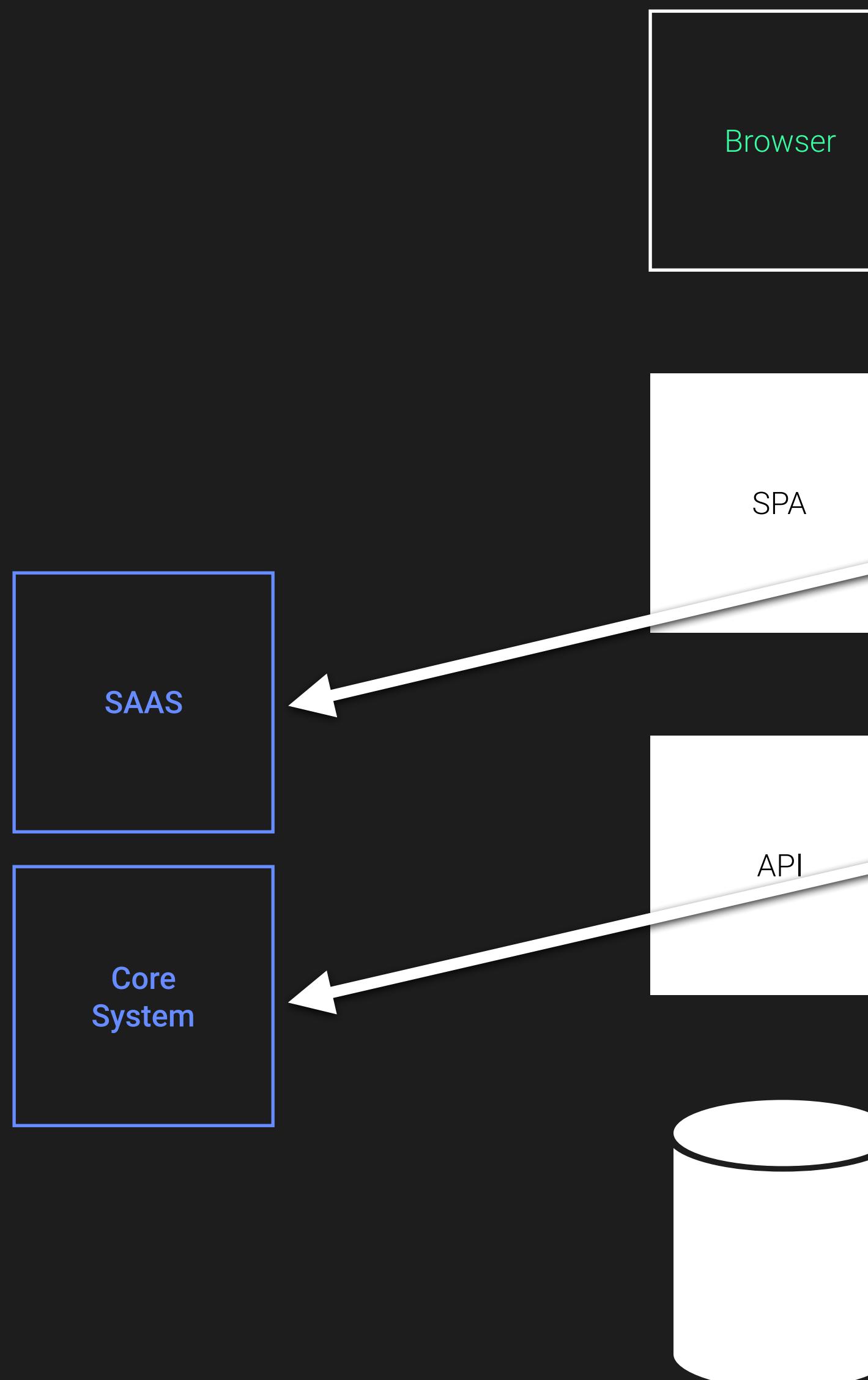
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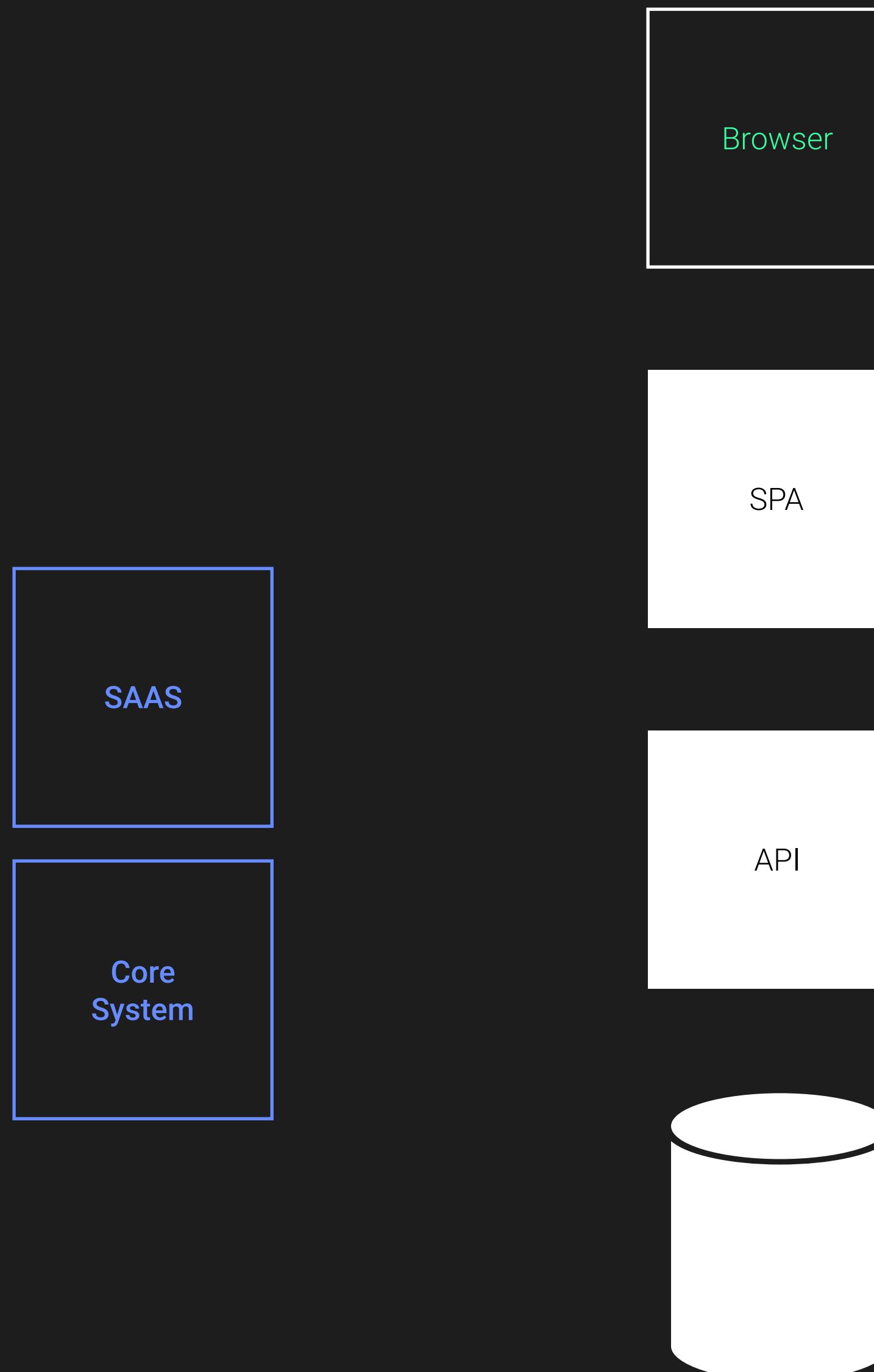
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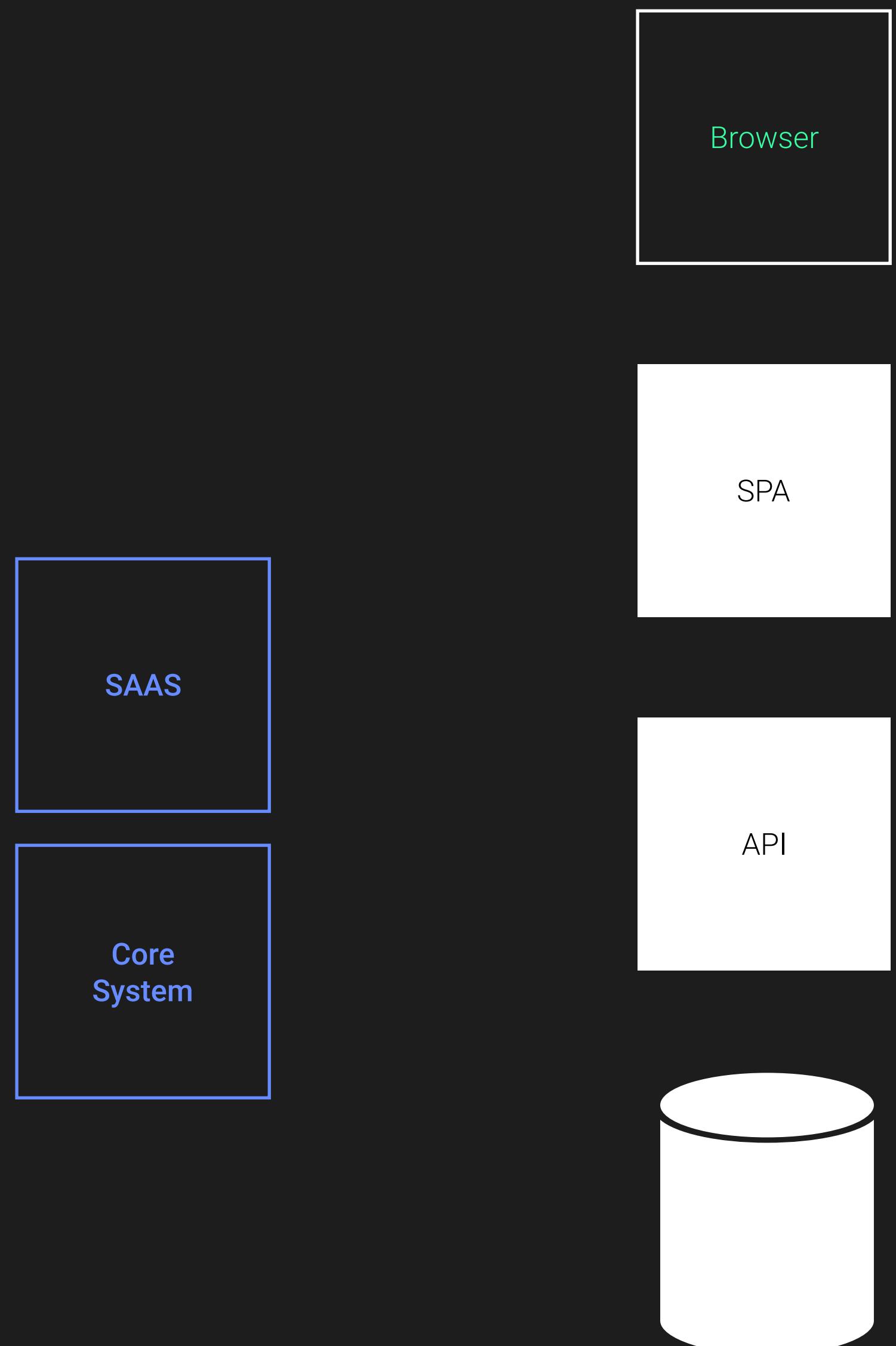
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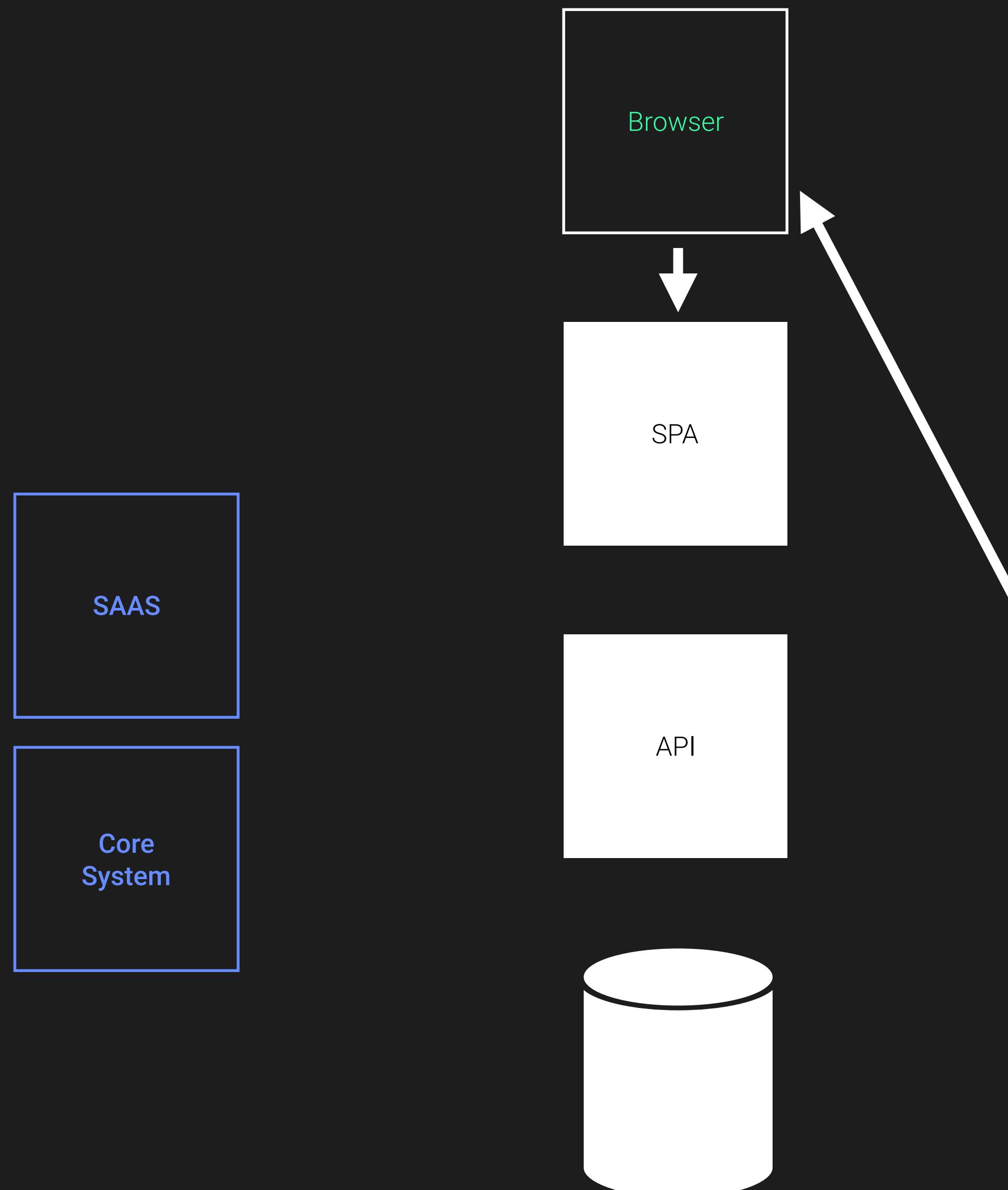
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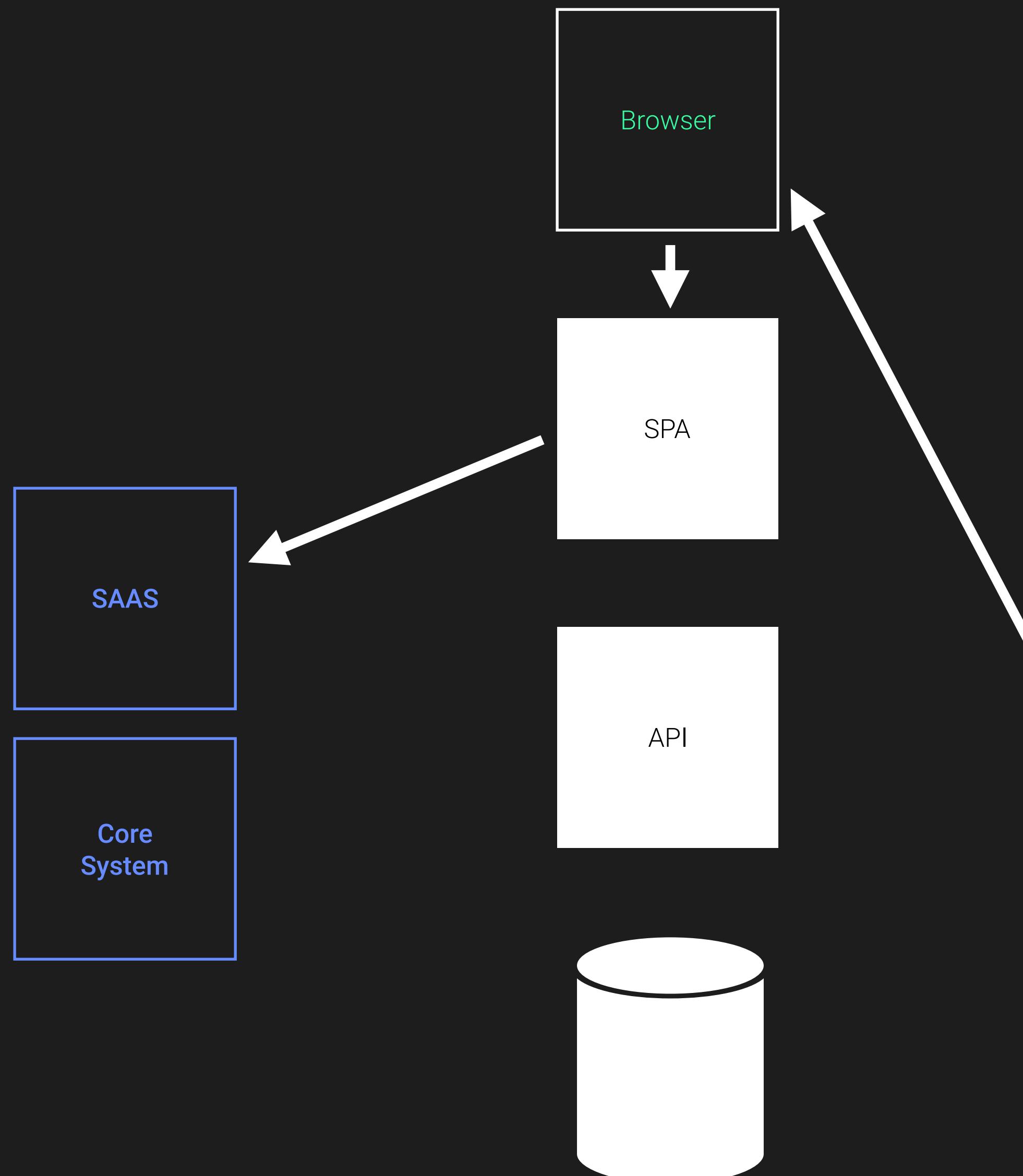
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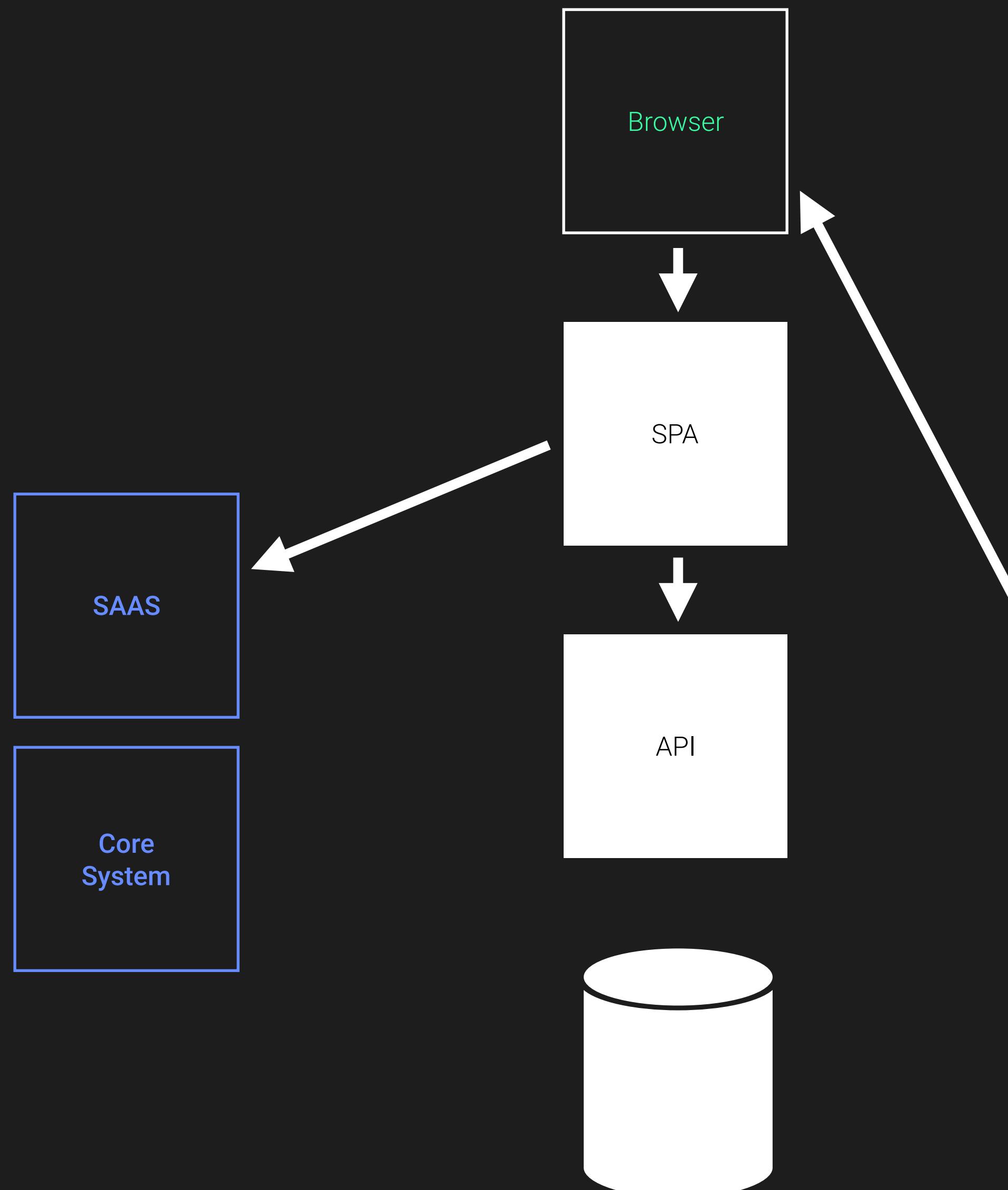
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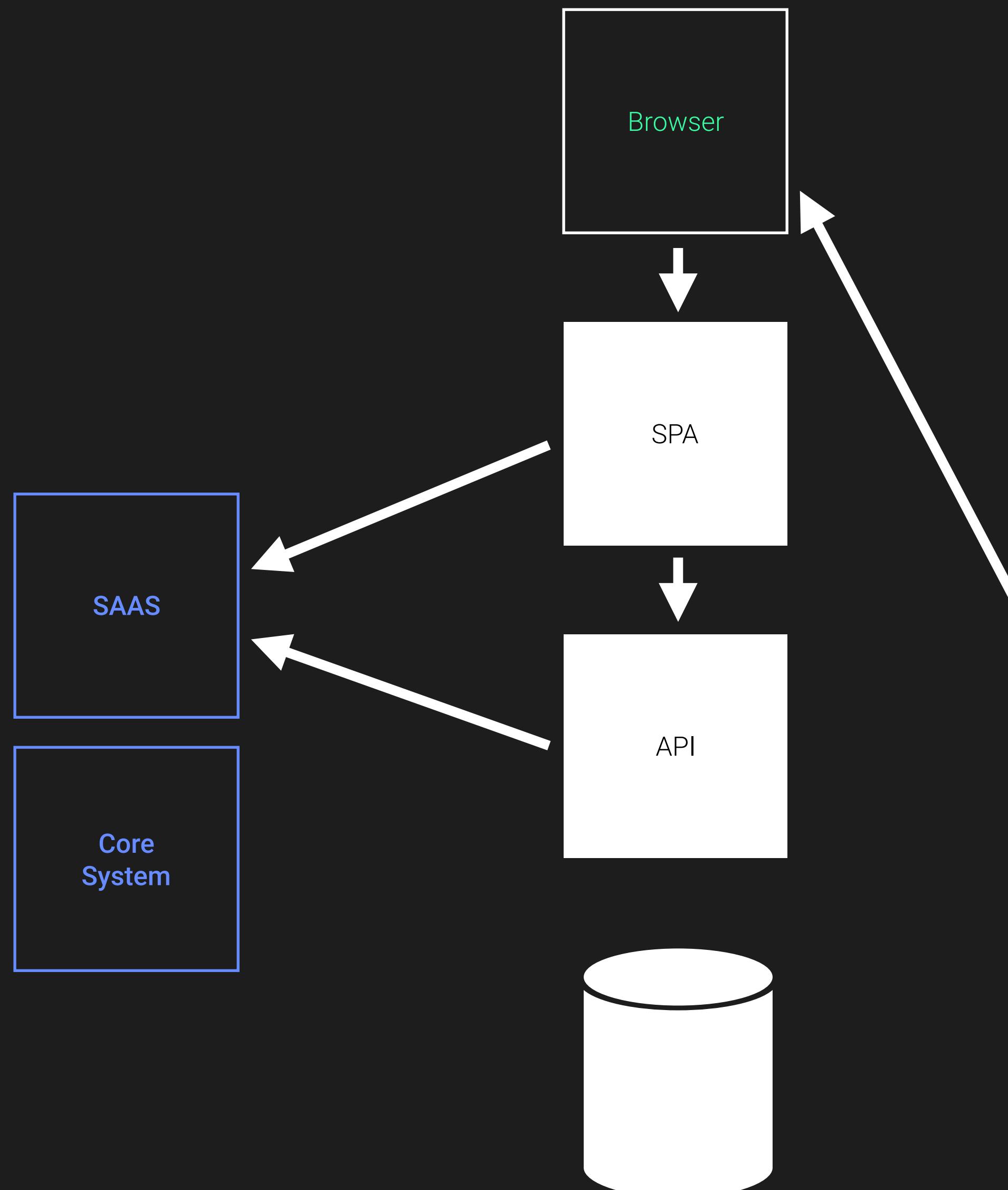
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And My total balance should be 300.00

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Feature: Accounts

A customer should be able to list her accounts

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Given The following customers exist

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1234	Johan Öbrink
9000	HAL 9000
666	GLaDOS

And The following accounts exist

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1111111112	1234	checkings	200.00
222222221	9000	savings	150.00
333333331	666	checkings	75.00

Scenario: Listing accounts

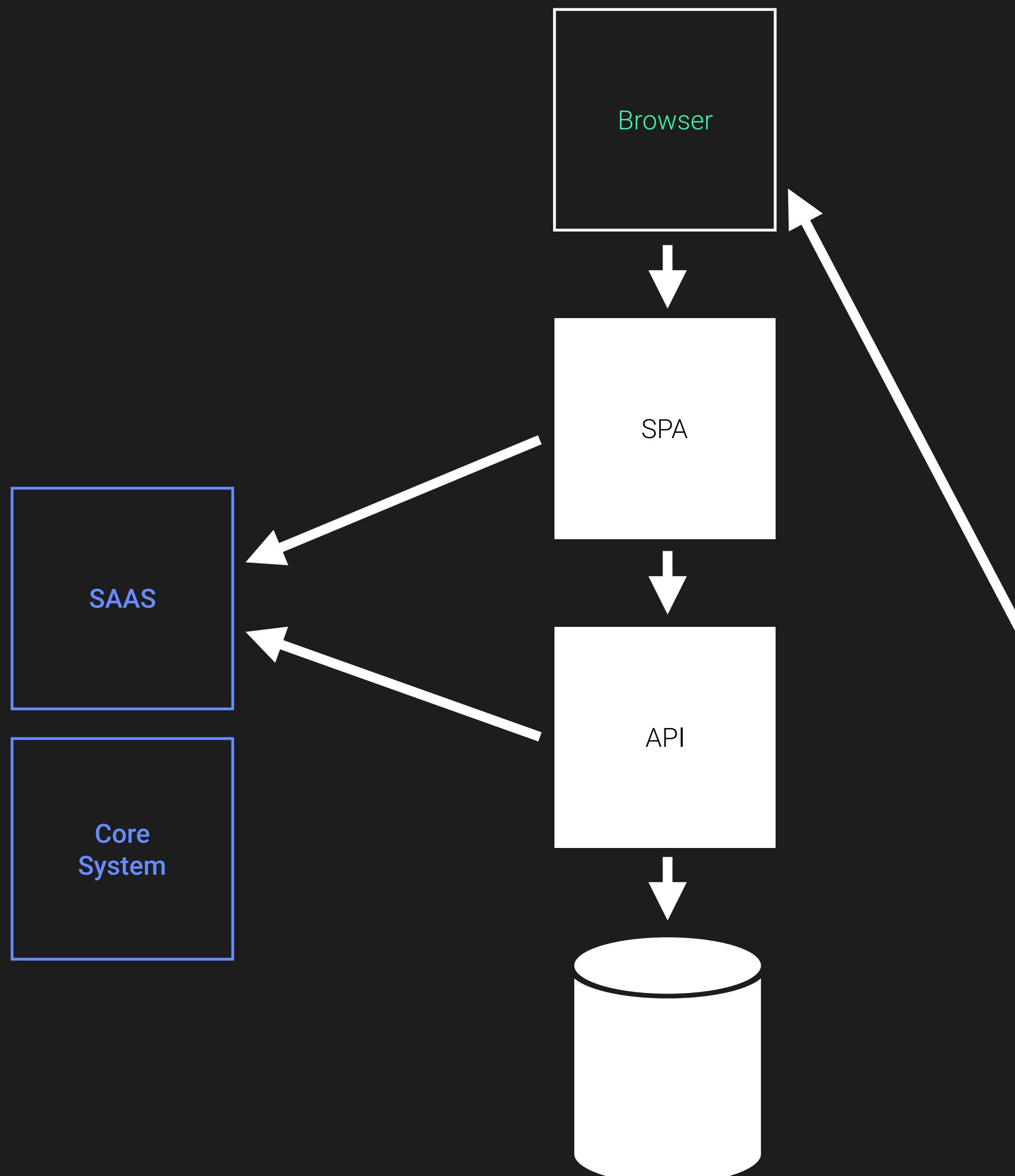
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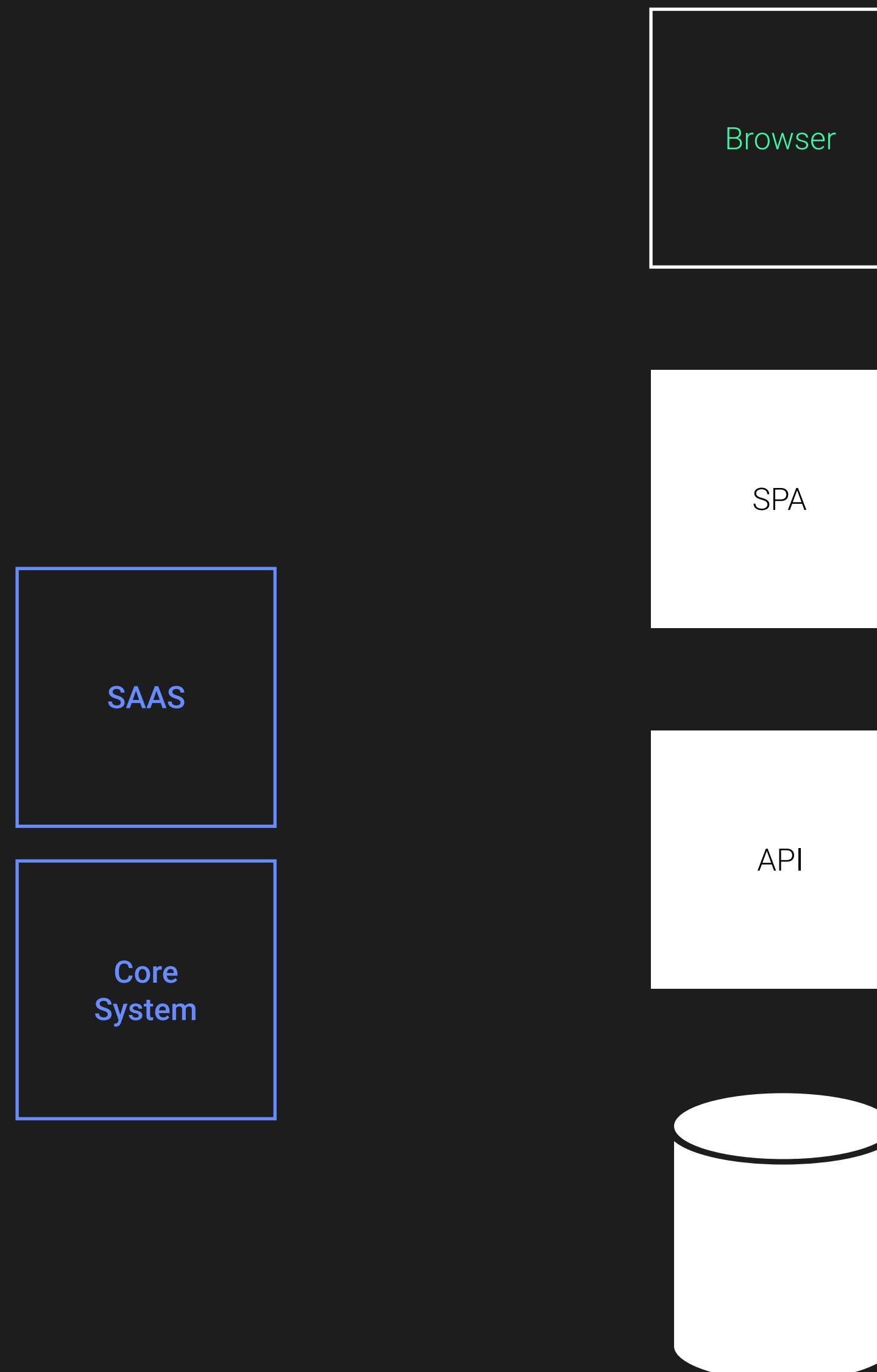
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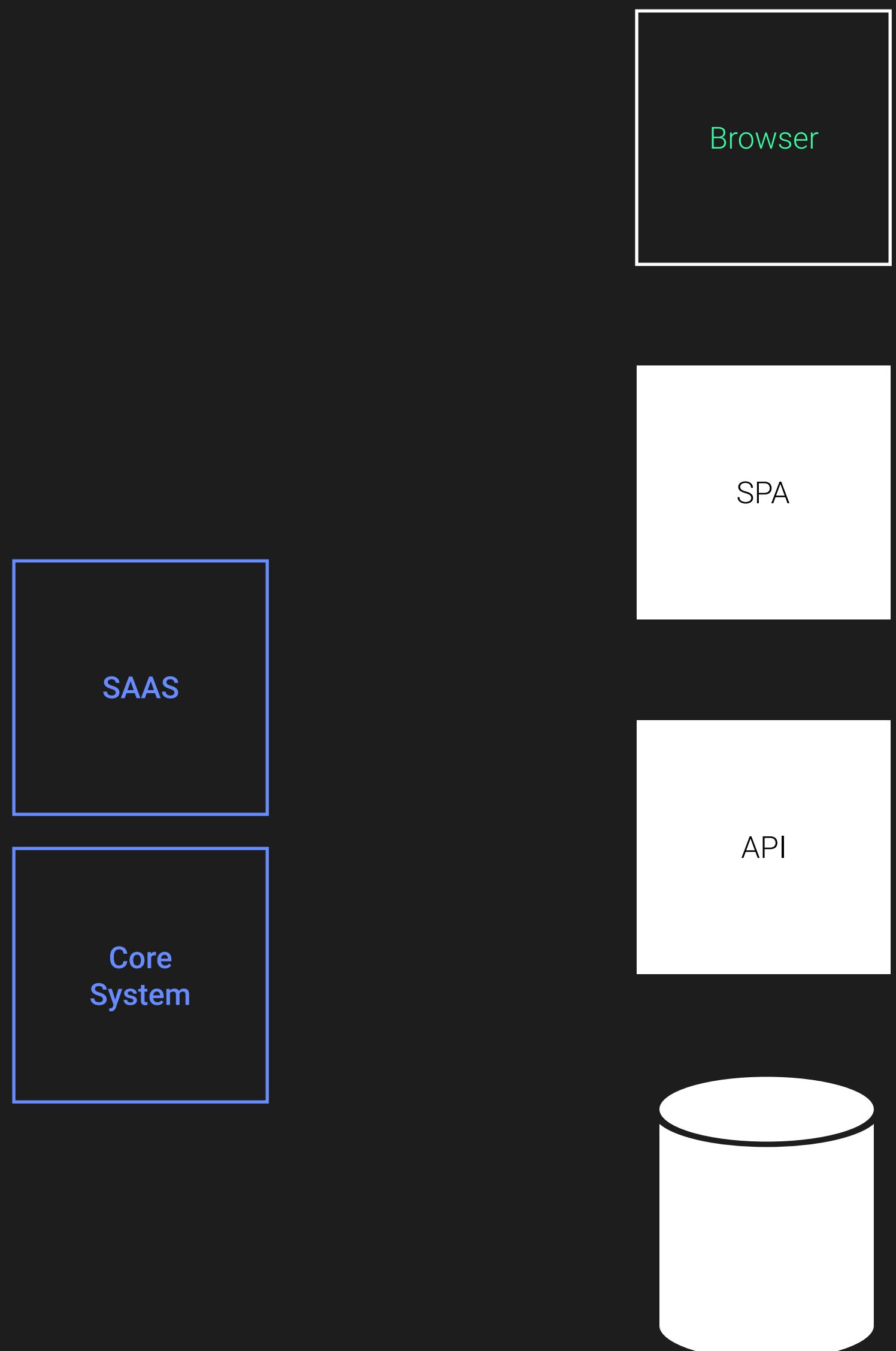
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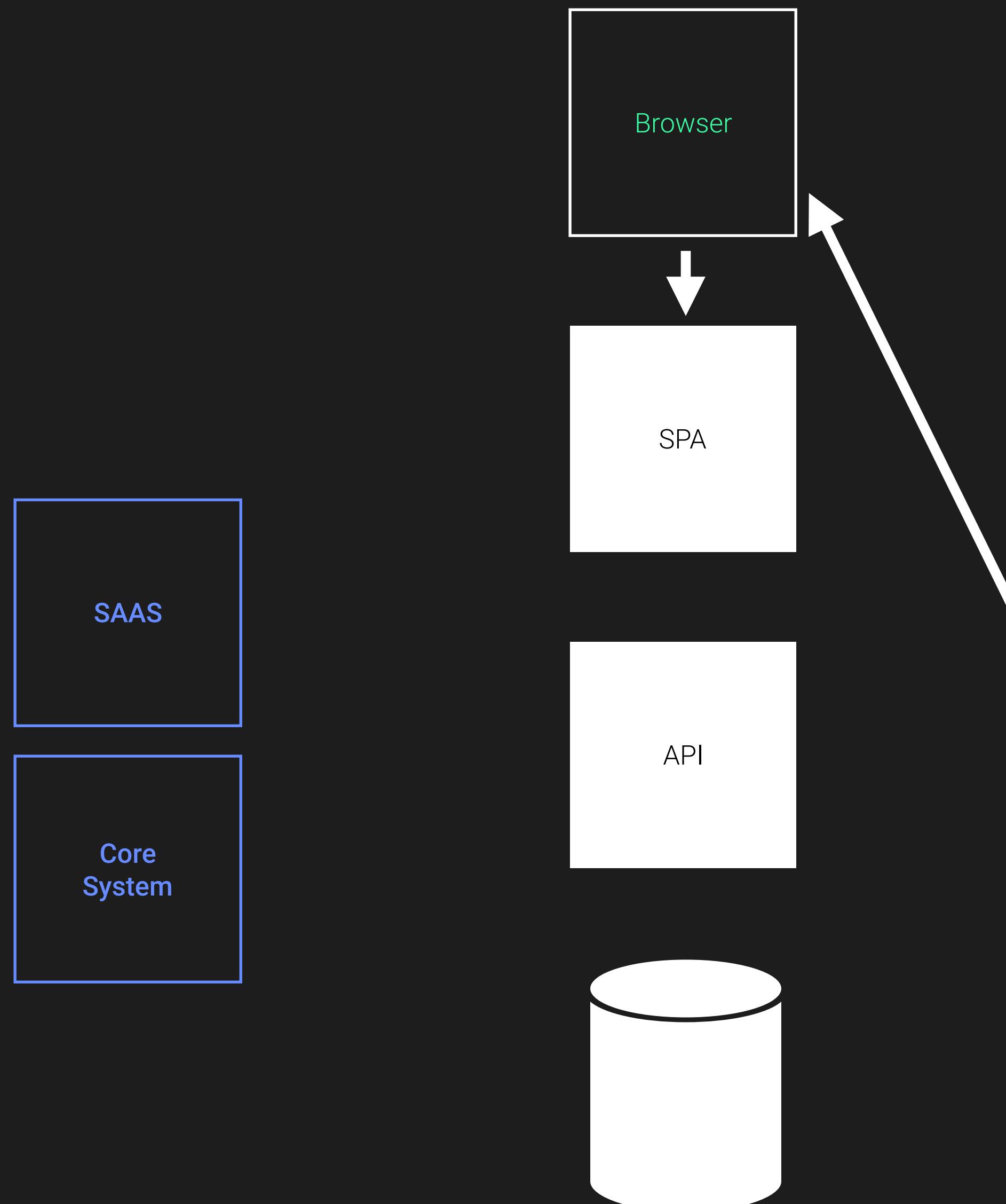
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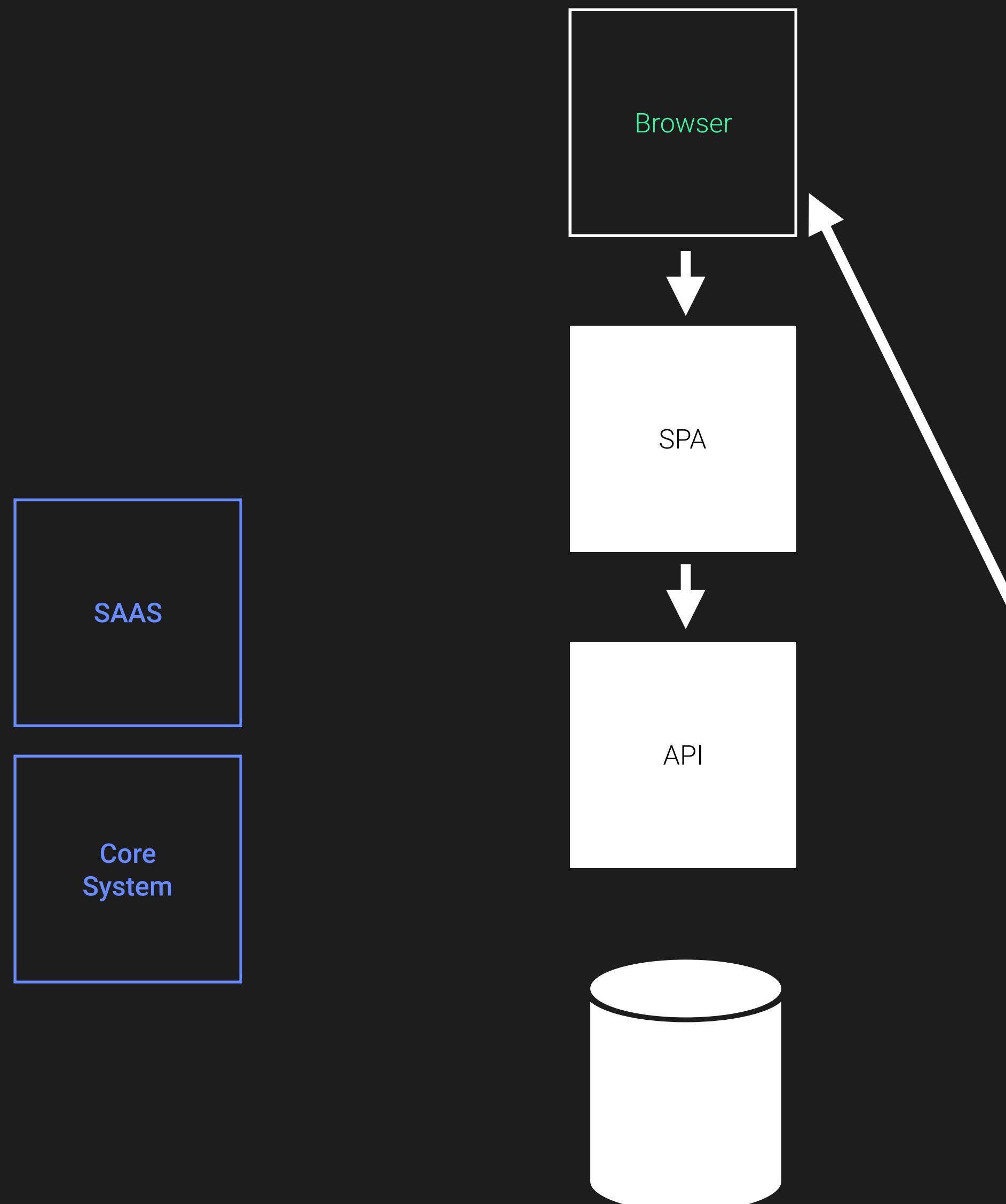
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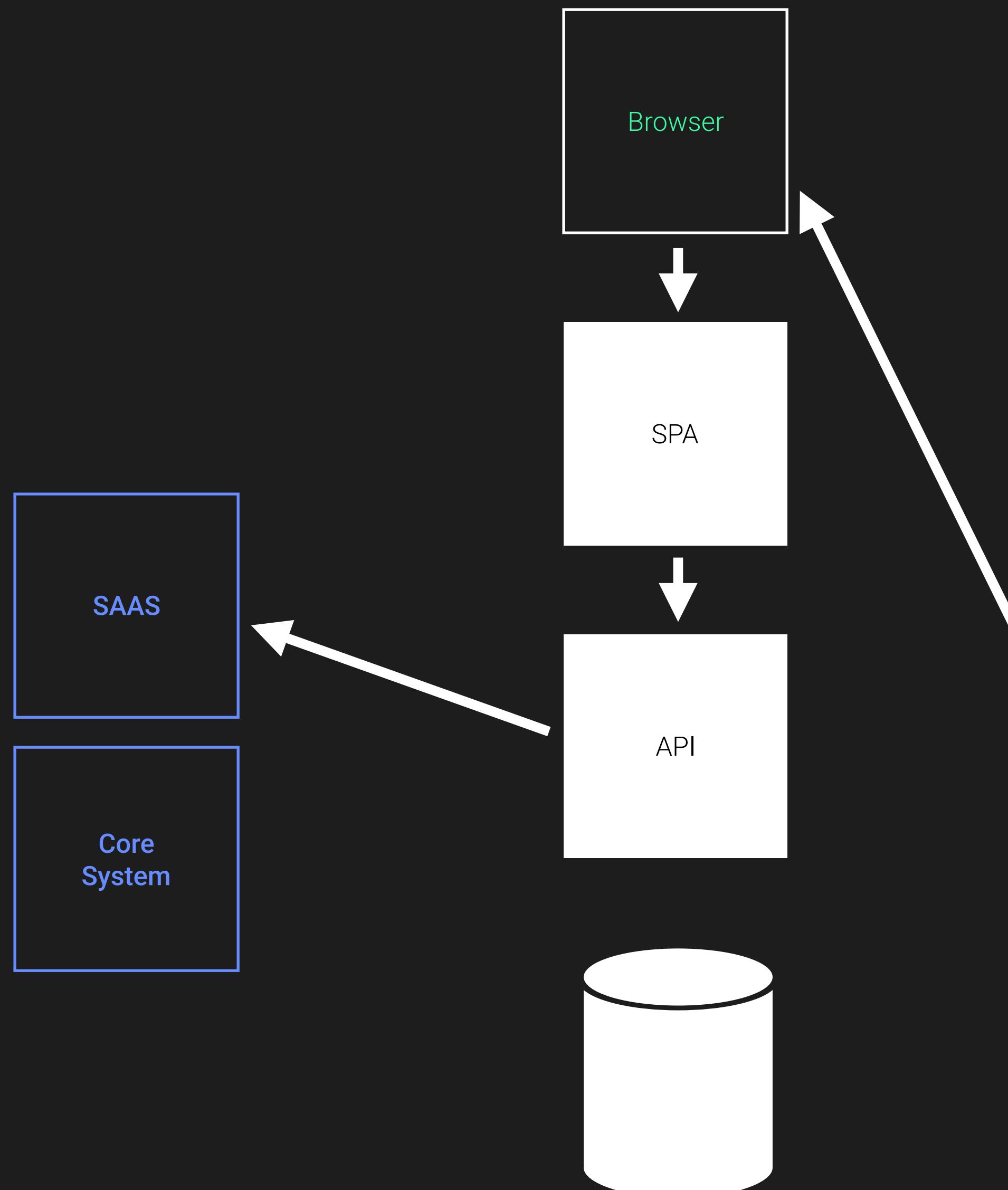
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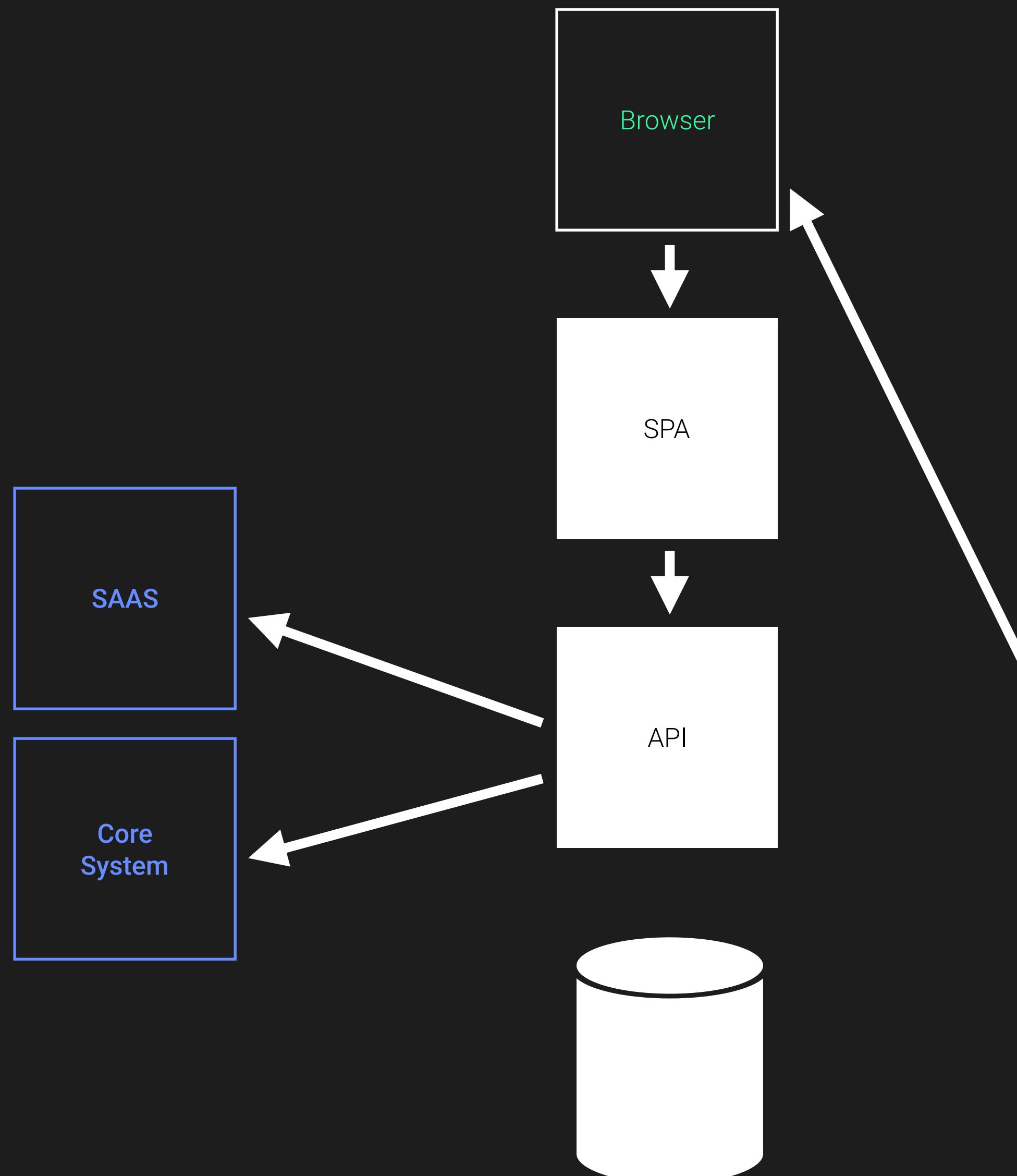
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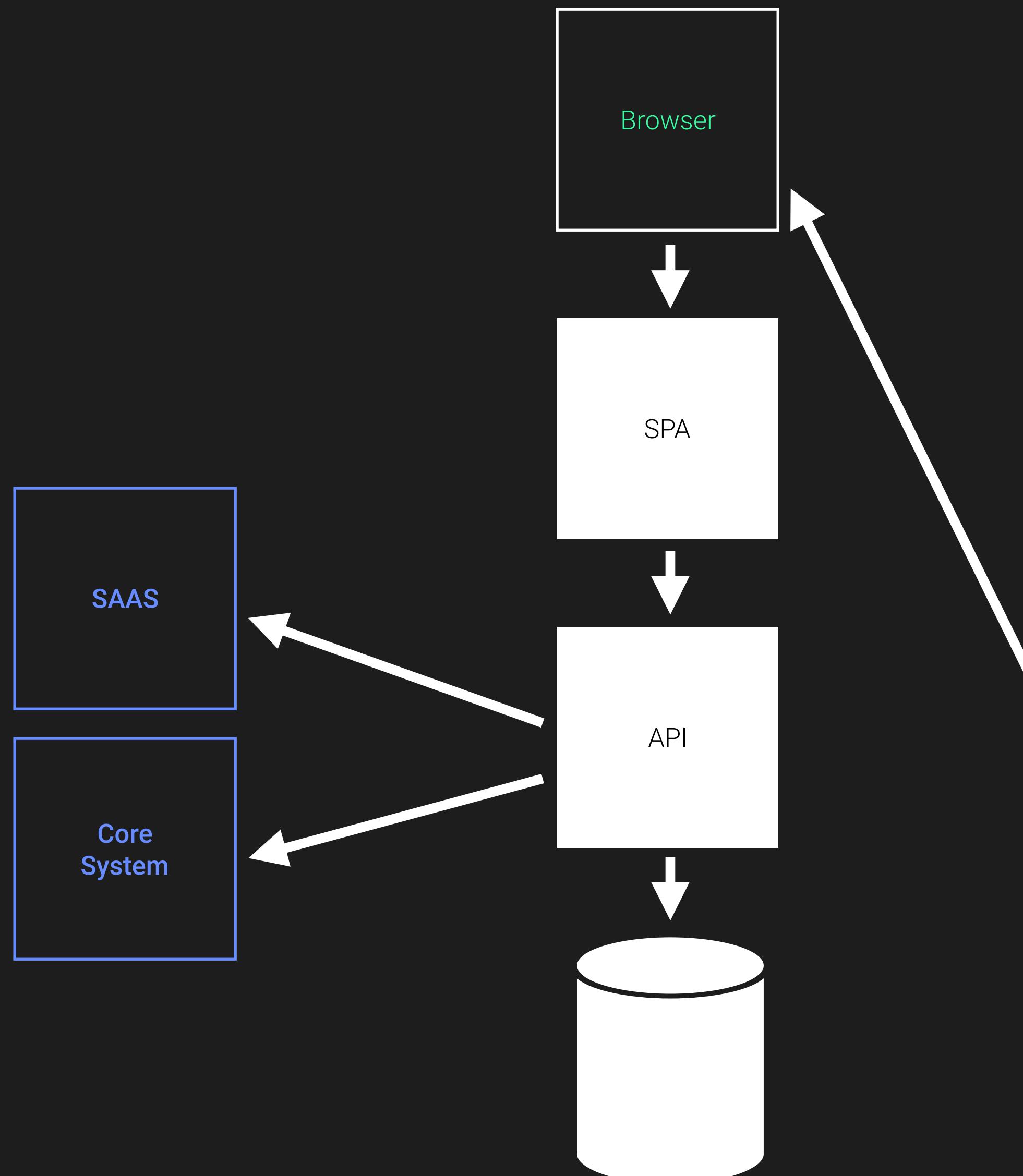
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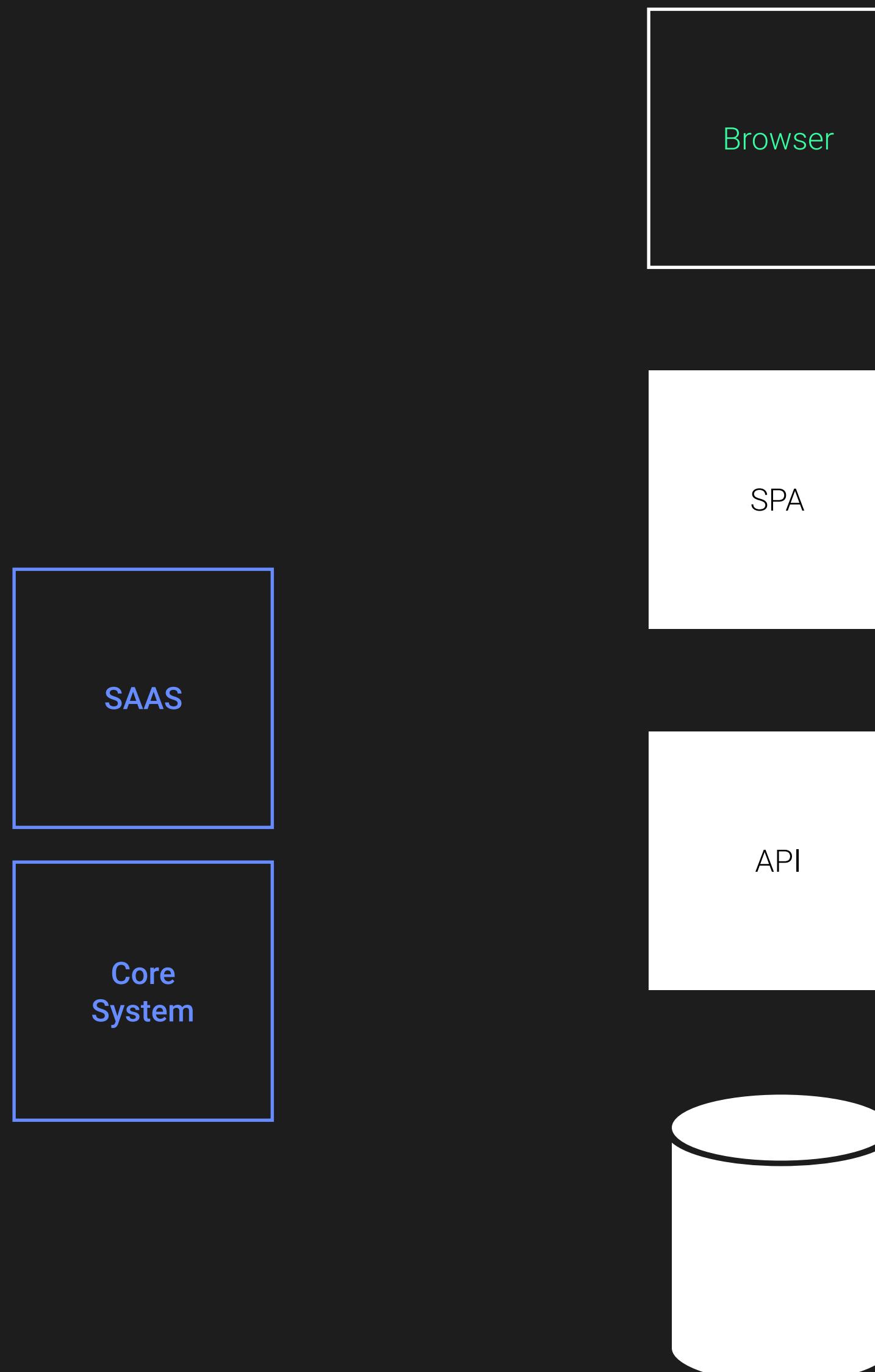
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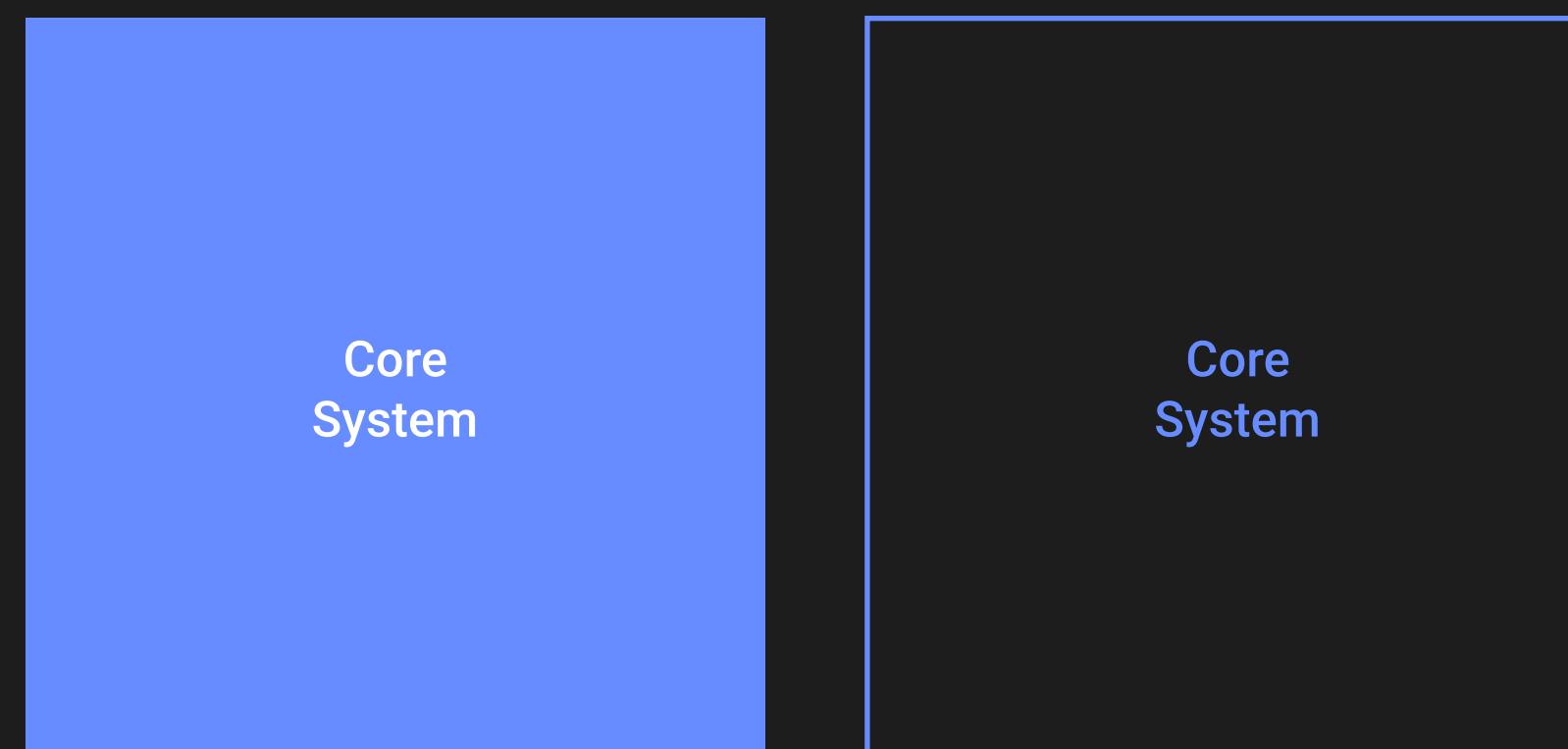
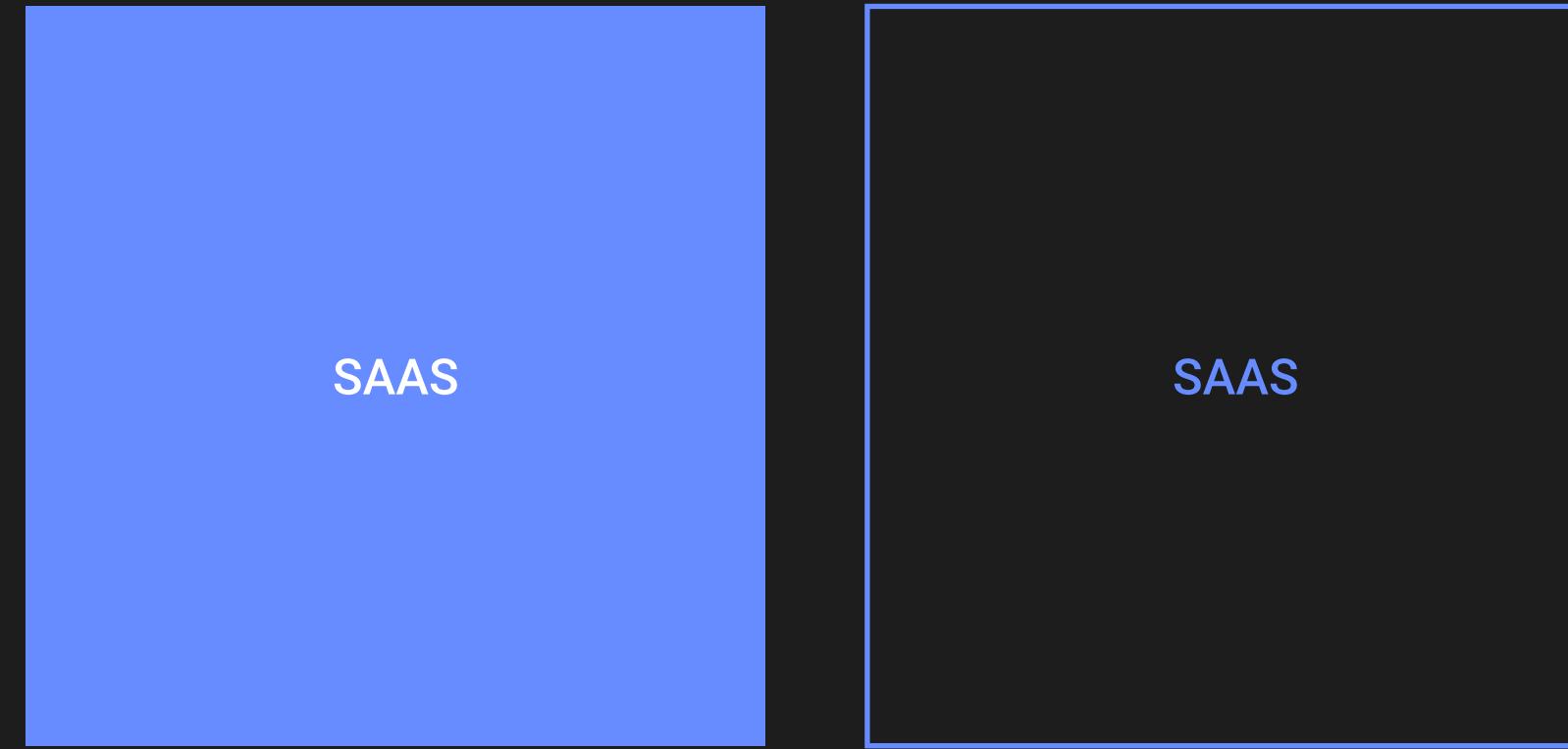
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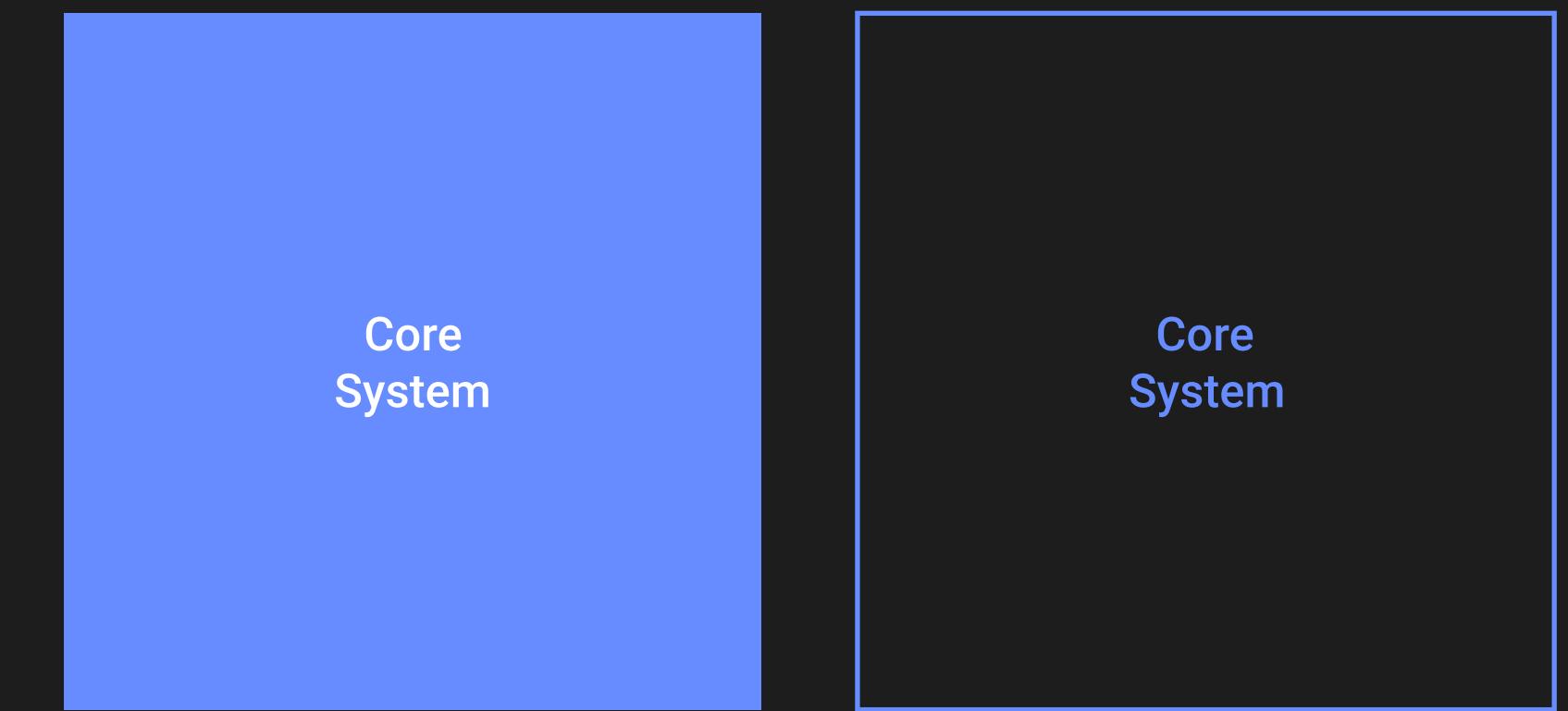
Scenario: Create account

DEMO

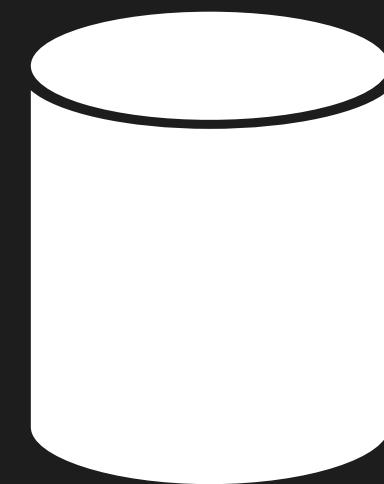
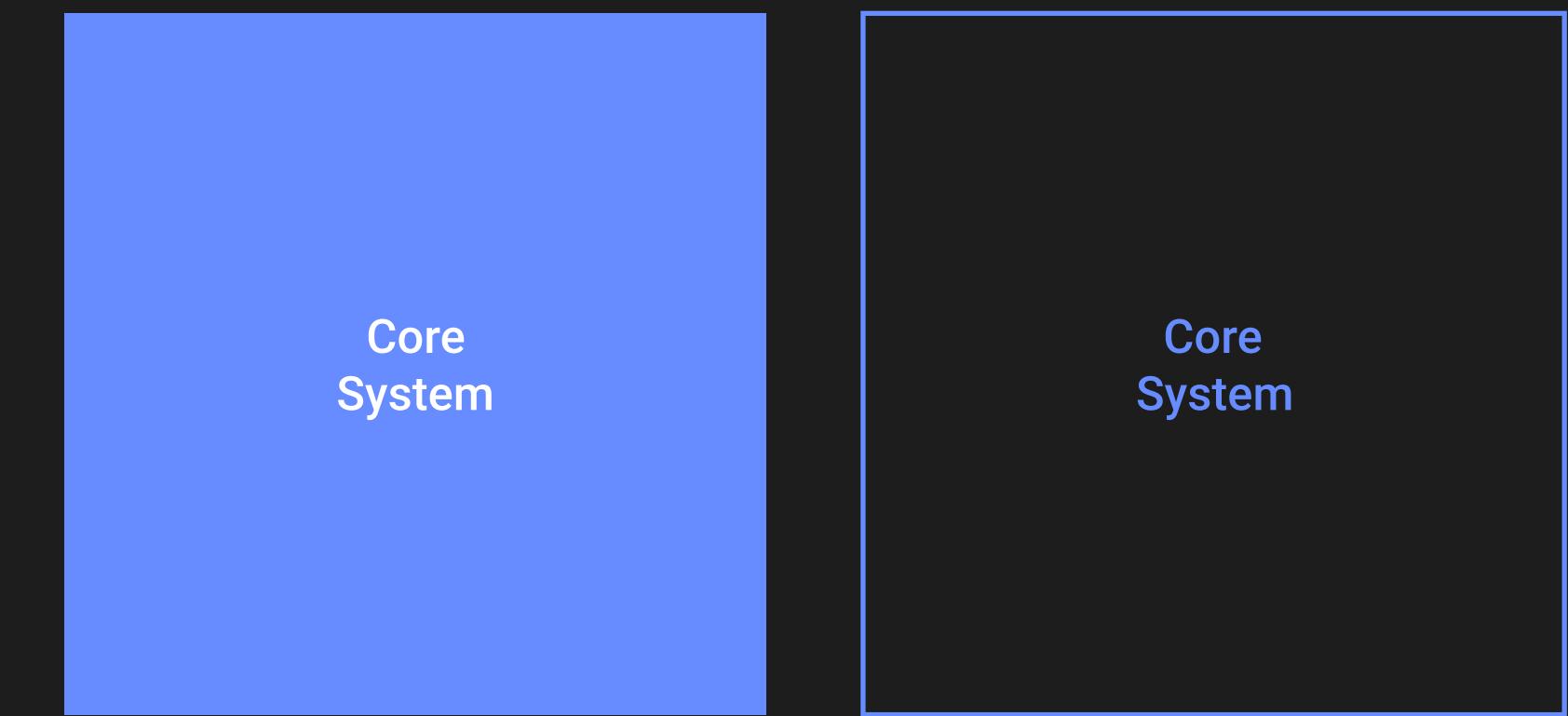
ITEAM



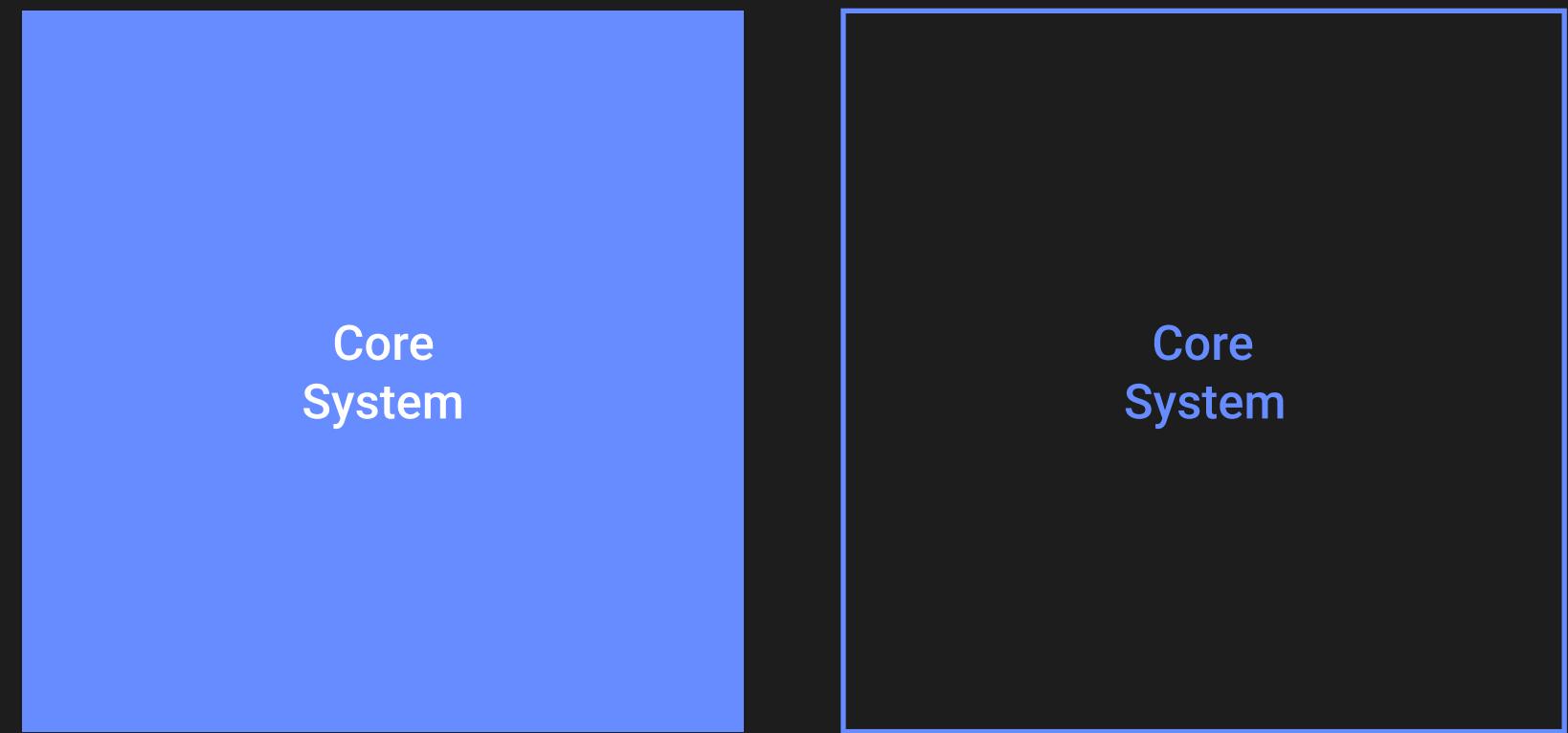
ITEM



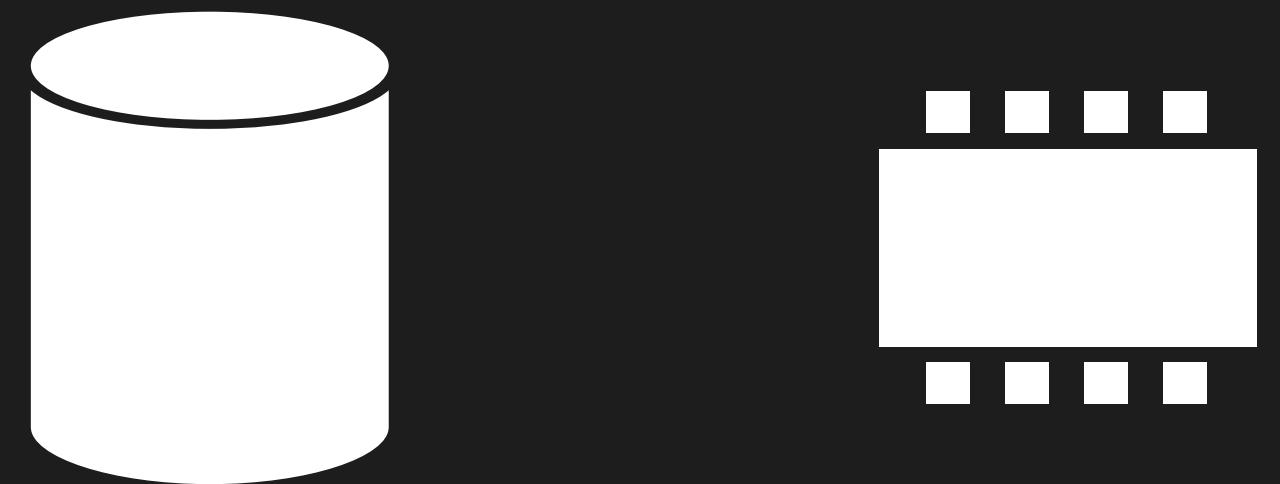
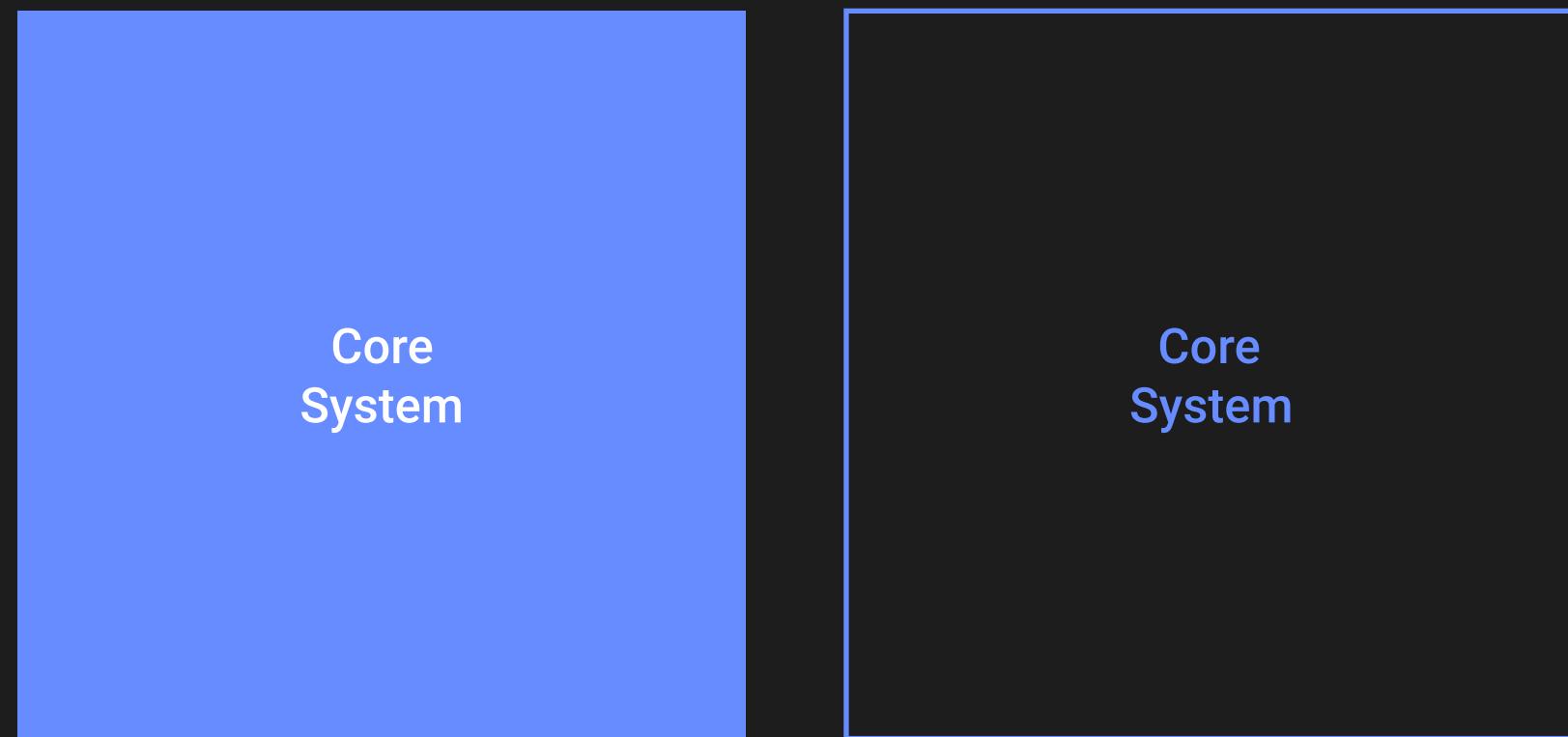
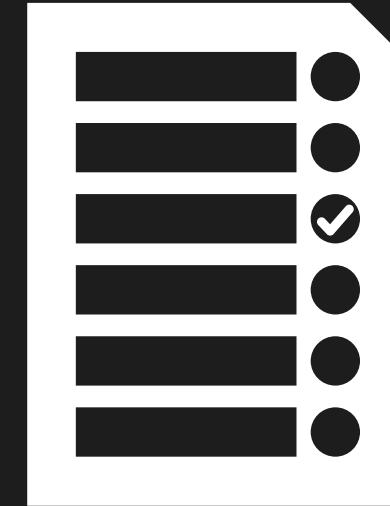
ITEAM



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ITEM



Thank you!

@JohanObrink

johan.obrink@iteam.se