Decksterous

Benedikt, Mats, Oliver

Agenda

Overview

Project Management

Technology Stack

Demo

Roadmap

Overview

The Team

Mats

Business- & User-Interface Designer

Benedikt

Project Manager & Software Architect

Oliver

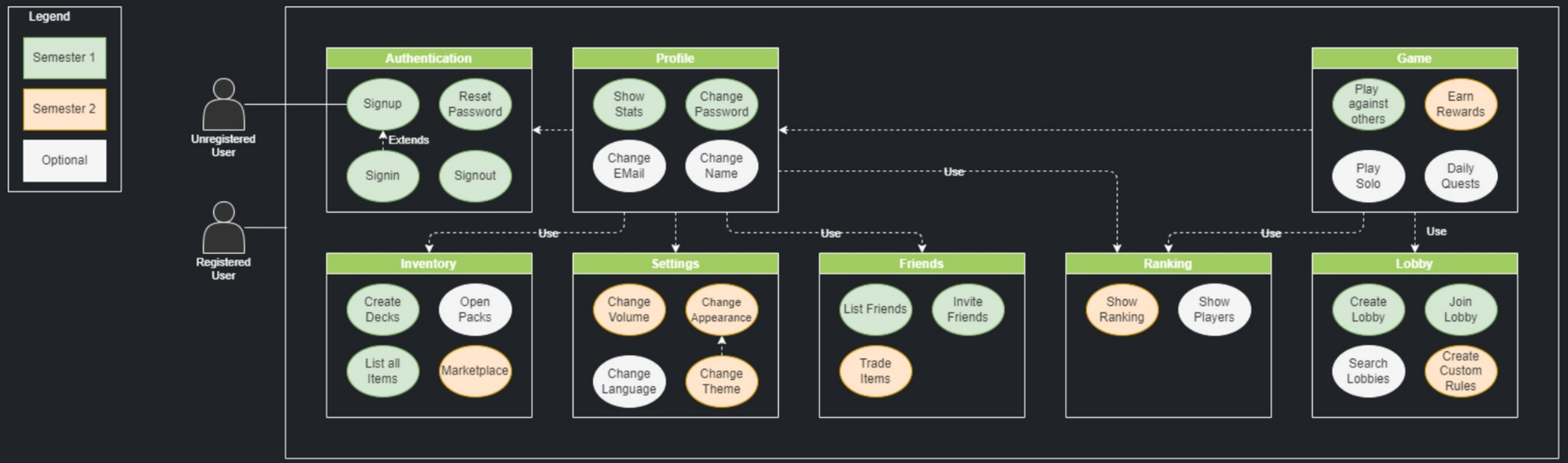
Technical Writer, Manager

Our Vision

Battle card game

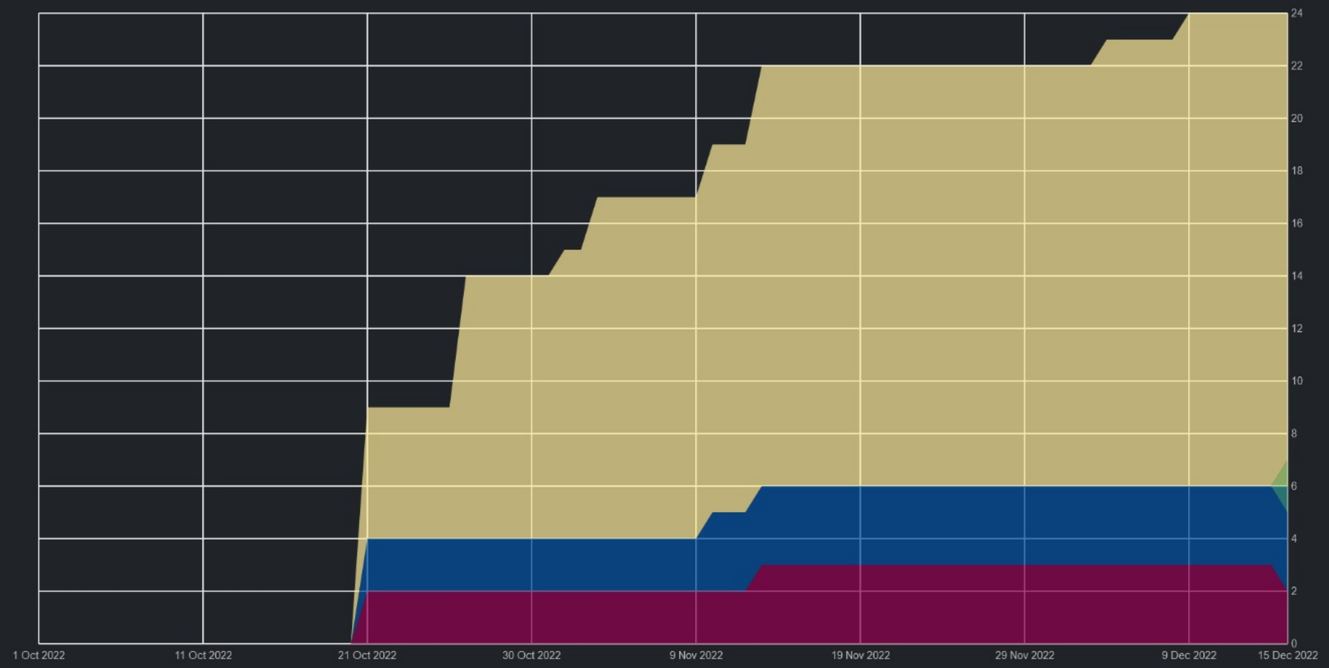
- create decks
- Player vs. Player (PvP) games
- friends
- trading
- customizeable rulesets

Use Case


Legend
Semester 1
Semester 2
Optional
Unregistered User
Registered User
Authentication
Signup
Reset Password
Extends
Signin
Signout
Profile
Show Stats
Change Password
Change EMail
Change Name
Game
Play against others
Earn Rewards
Play Solo
Daily Quests
Use
Use
Use
Use
Use
Inventory
Create Decks
Open Packs
List all Items
Marketplace
Settings
Change Volume
Change Appearance
Change Language
Change Theme
Friends
List Friends
Invite Friends
Trade Items
Ranking
Show Ranking
Show Players
Lobby
Create Lobby
Join Lobby
Search Lobbies
Create Custom Rules

Project Management

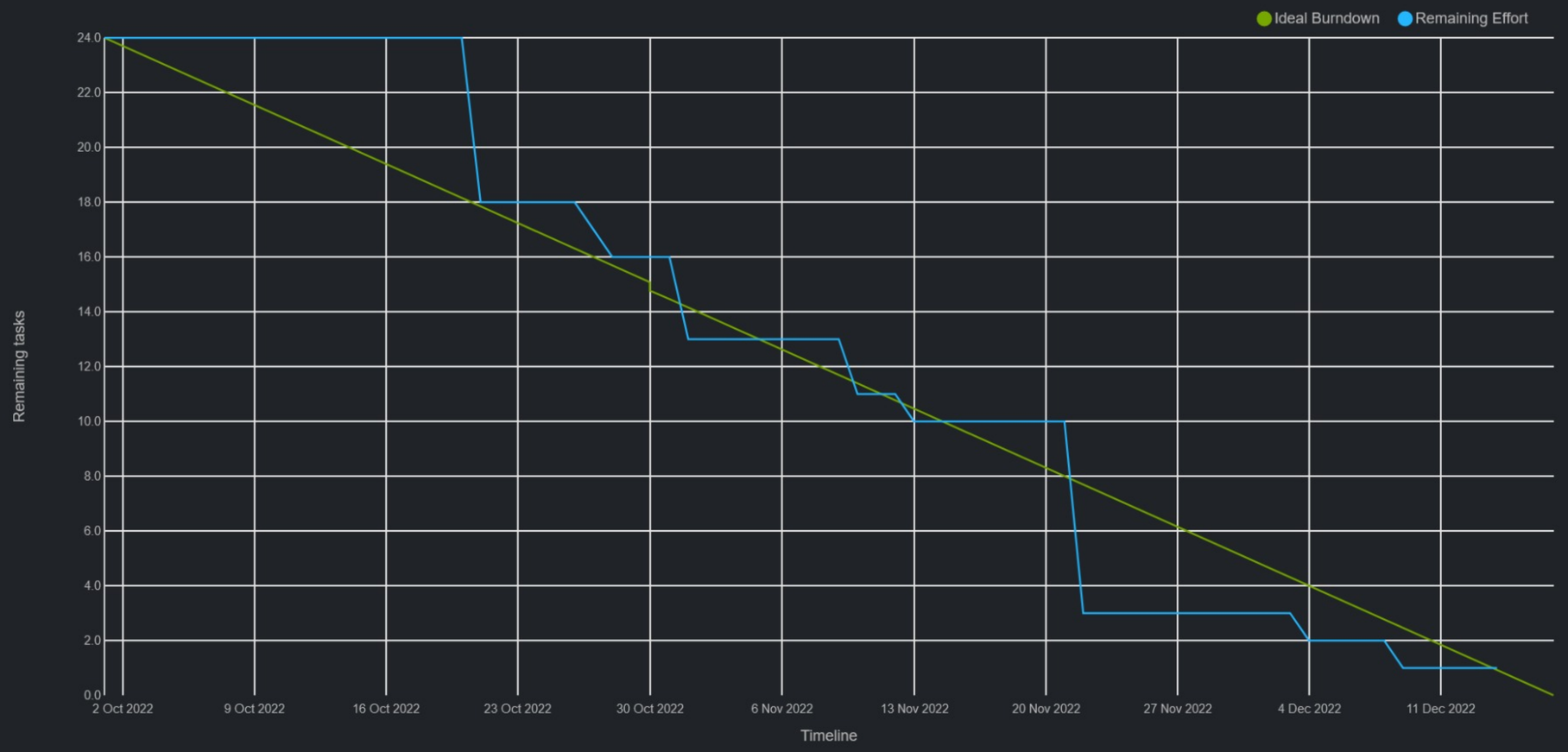
RUP



Project	Decksterous
Priority	Normal
State	Done
RUP workflow	Implementation
Assignee	Benedikt Müll
RUP Phase	Elaboration
Type	Task
Estimation	?
Sprints	Week 2
Ideal days	Not estimated
Original estimation	Not estimated
Spent time	50m

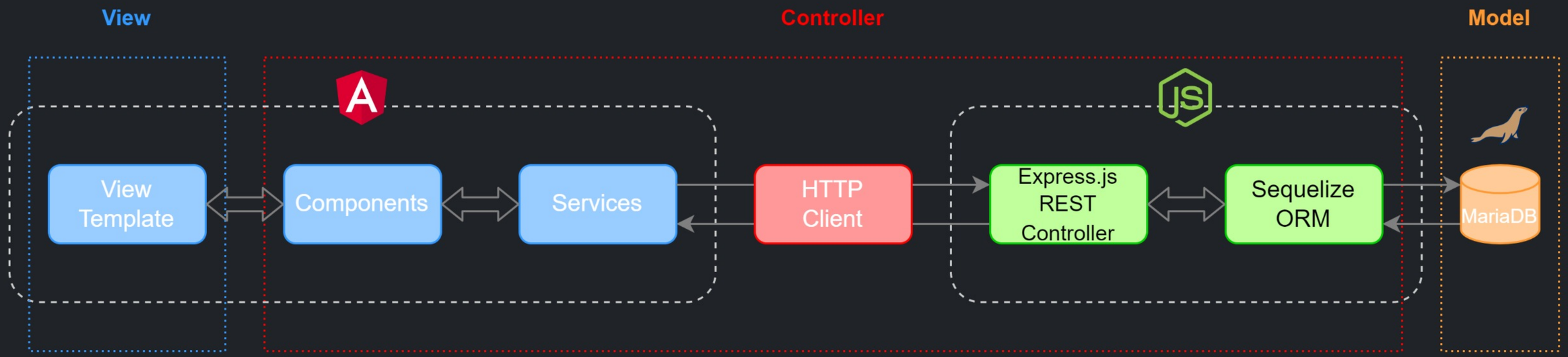
Scrum

Burndown

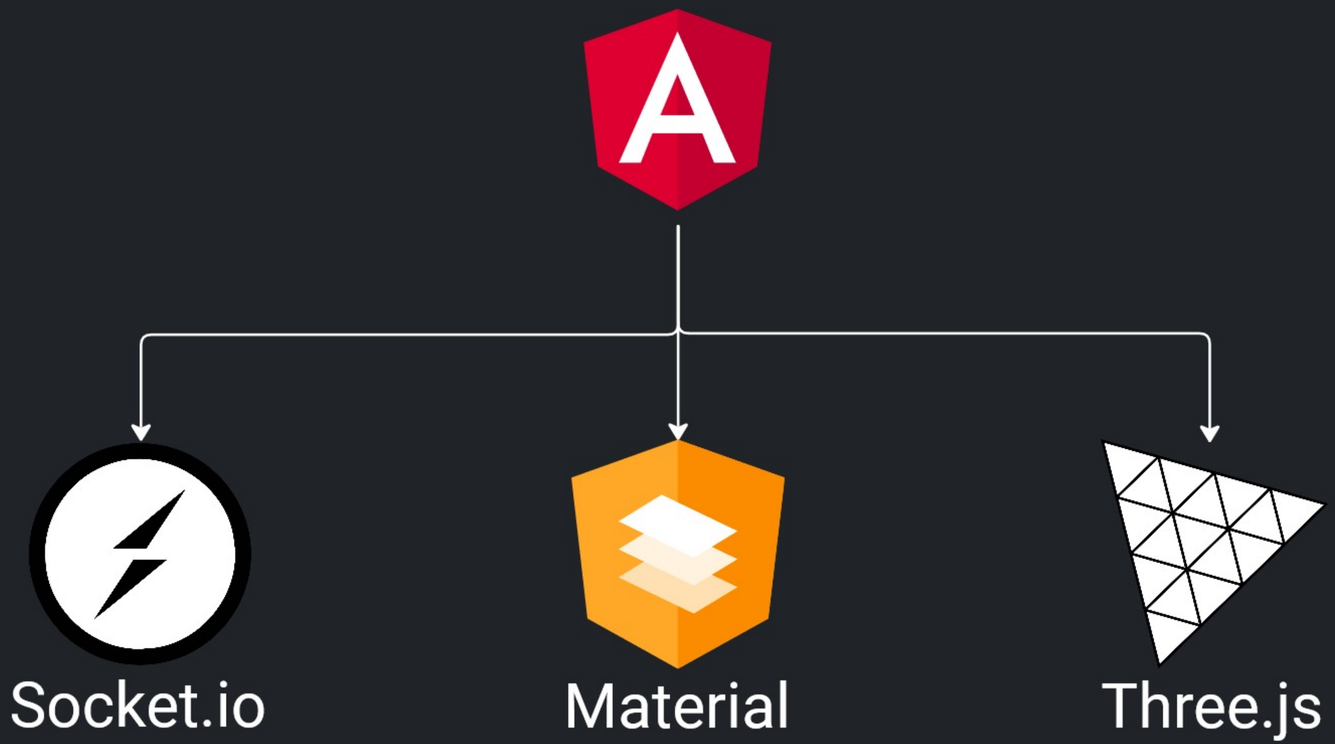

Ideal Burndown
Remaining Effort
Remaining tasks
24.0
22.0
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
2 Oct 2022
9 Oct 2022
16 Oct 2022
23 Oct 2022
30 Oct 2022
6 Nov 2022
13 Nov 2022
20 Nov 2022
27 Nov 2022
4 Dec 2022
11 Dec 2022
Timeline

Technology Stack

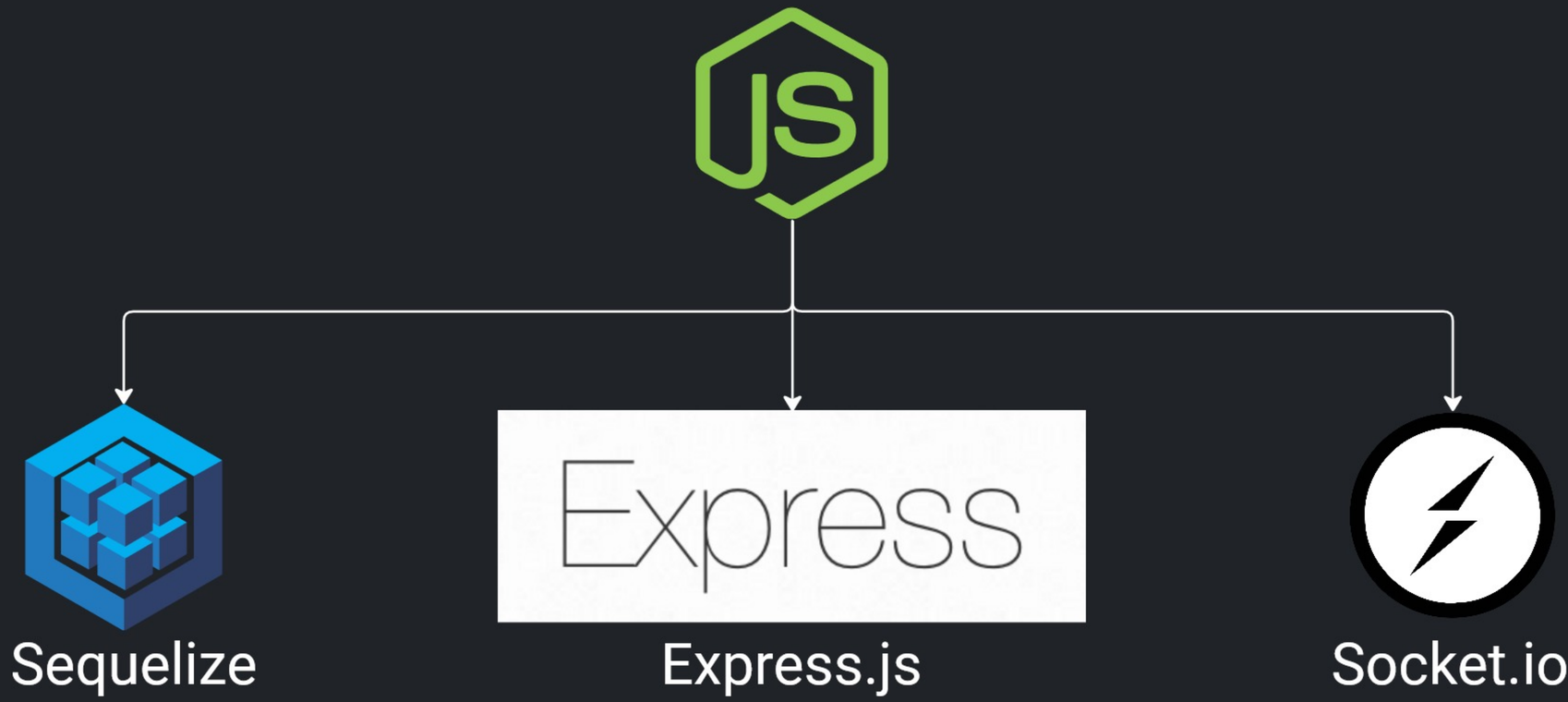
Architecture



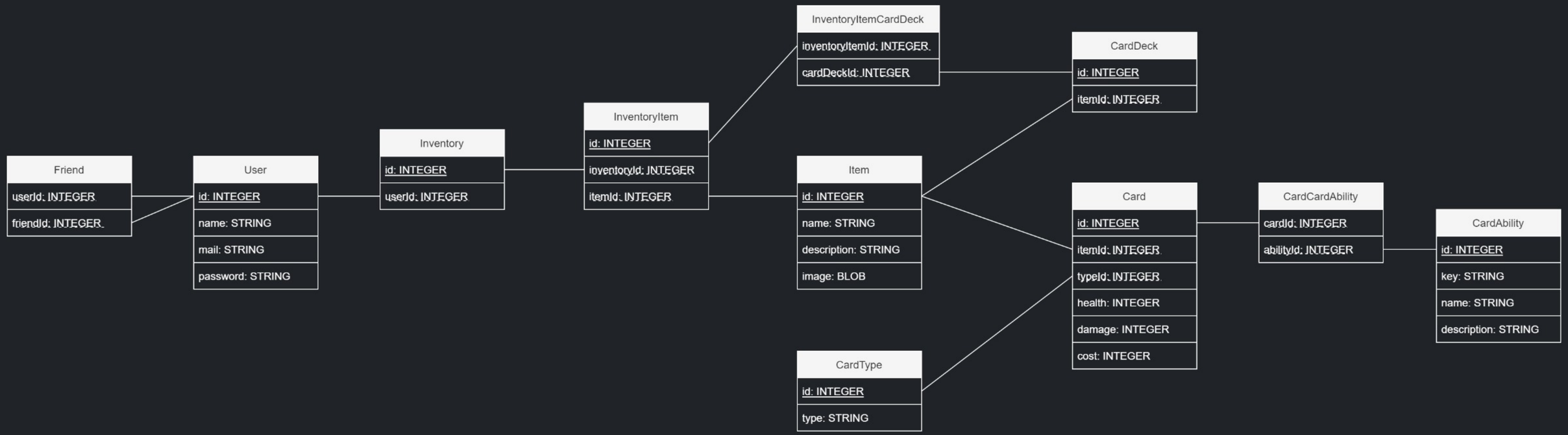
Angular



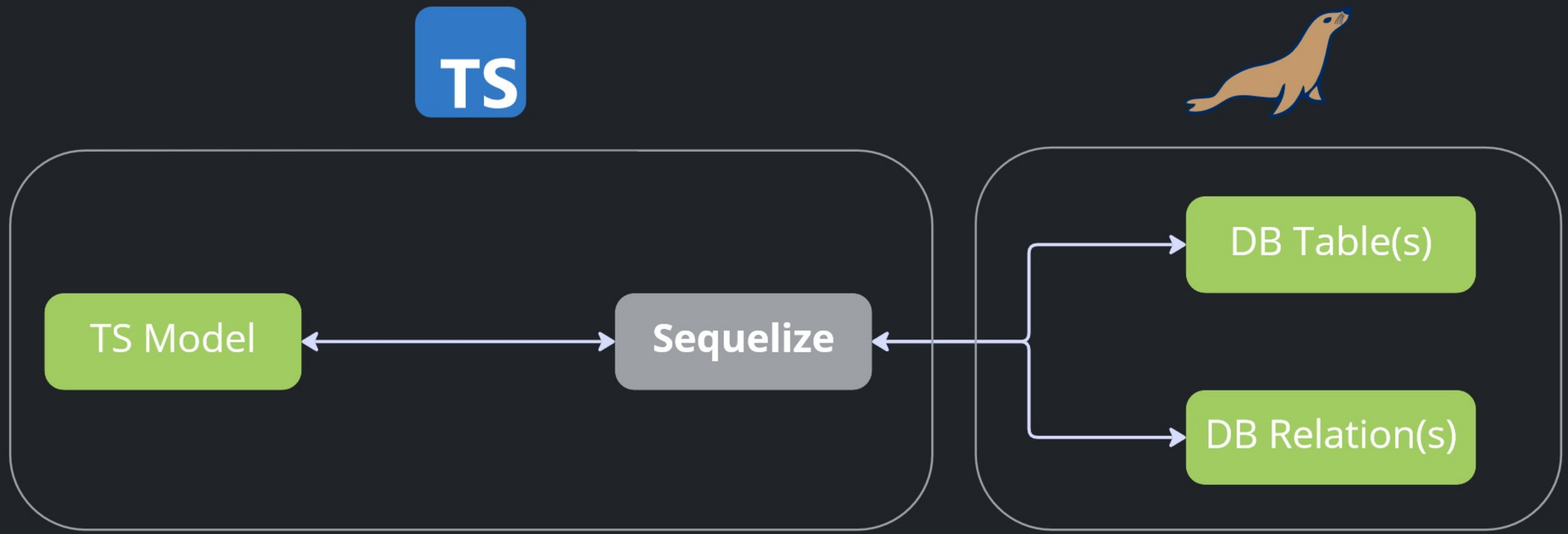
Node.js



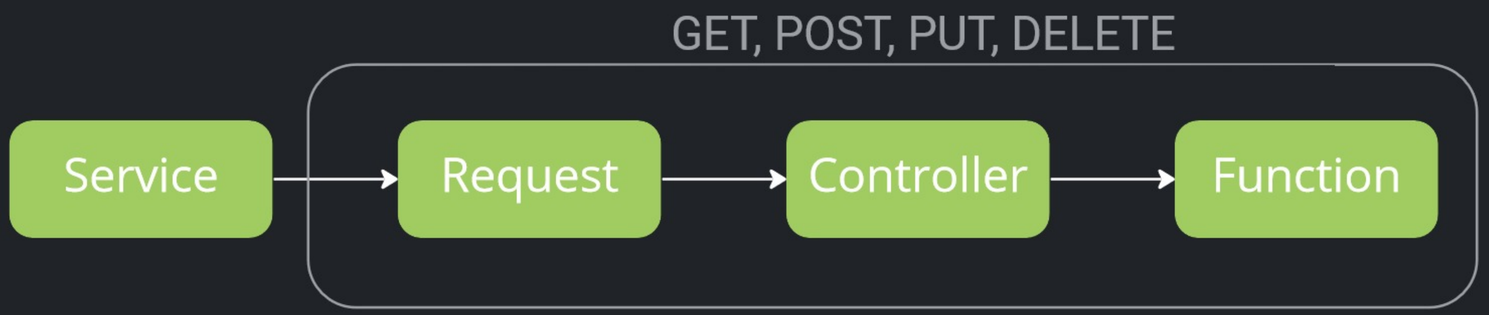
MariaDB


Friend
userId: INTEGER
friendId: INTEGER
User
id: INTEGER
name: STRING
mail: STRING
password: STRING
Inventory
id: INTEGER
userId: INTEGER
InventoryItem
id: INTEGER
inventoryId: INTEGER
itemId: INTEGER
InventoryItemCardDeck
inventoryItemId: INTEGER
cardDeckId: INTEGER
CardDeck
id: INTEGER
itemId: INTEGER
Item
id: INTEGER
name: STRING
description: STRING
image: BLOB
CardType
id: INTEGER
type: STRING
Card
id: INTEGER
itemId: INTEGER
typeId: INTEGER
health: INTEGER
damage: INTEGER
cost: INTEGER
CardCardAbility
cardId: INTEGER
abilityId: INTEGER
CardAbility
id: INTEGER
key: STRING
name: STRING
description: STRING

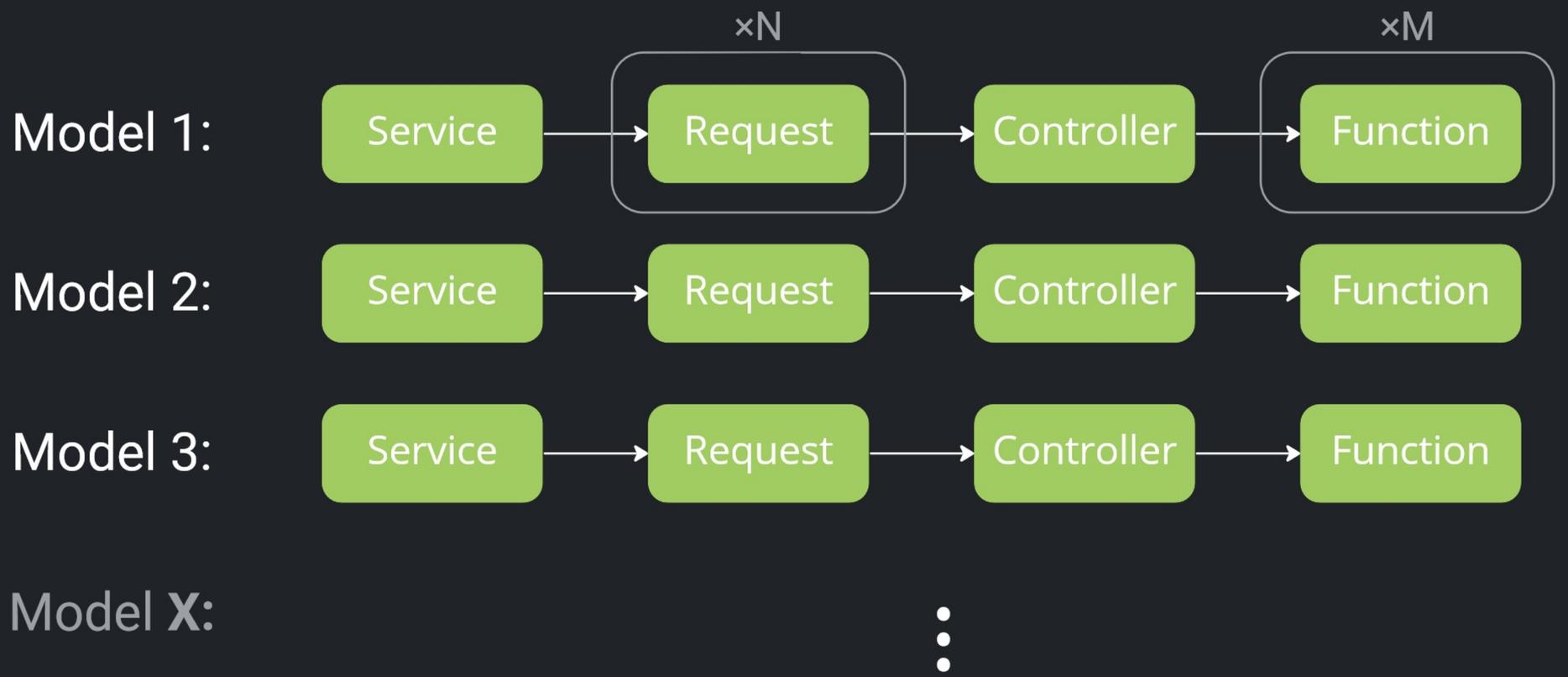
Sequelize



REST



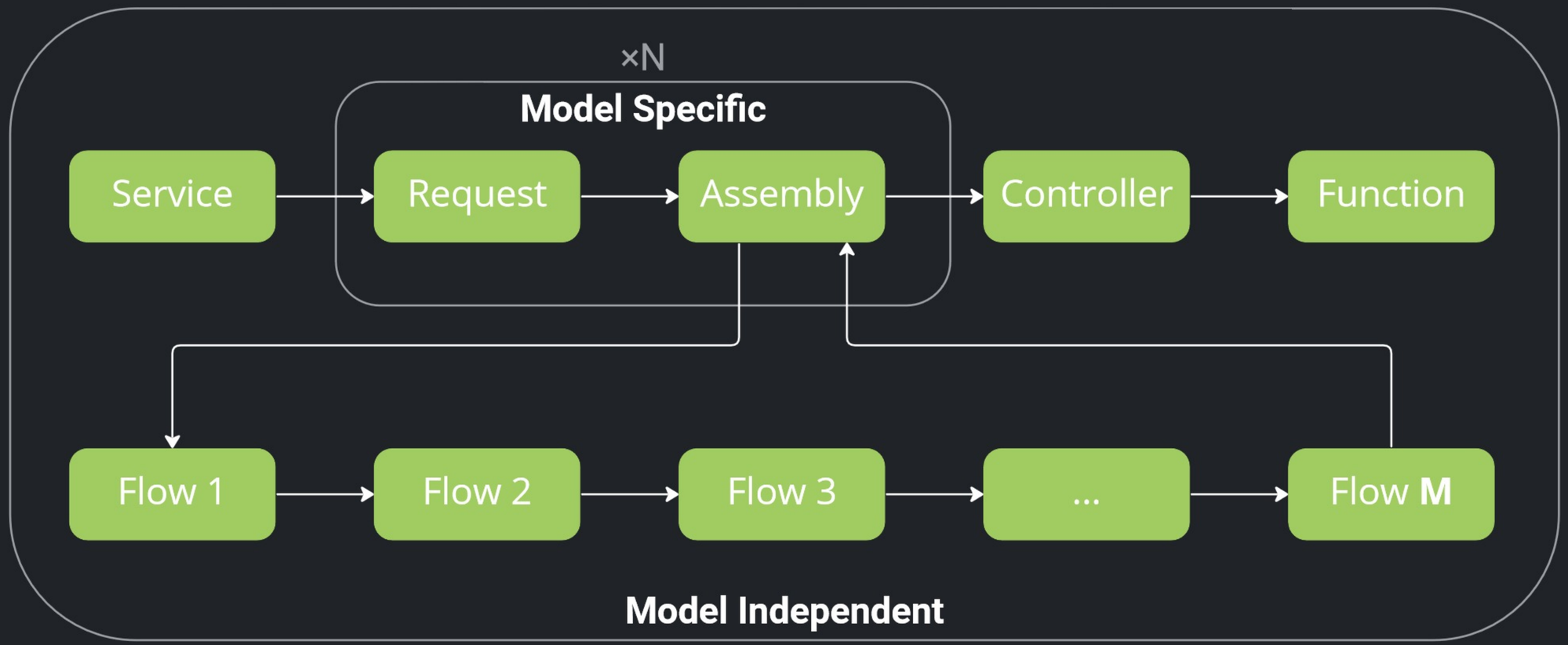
REST



X × (N + M)

Too Many!

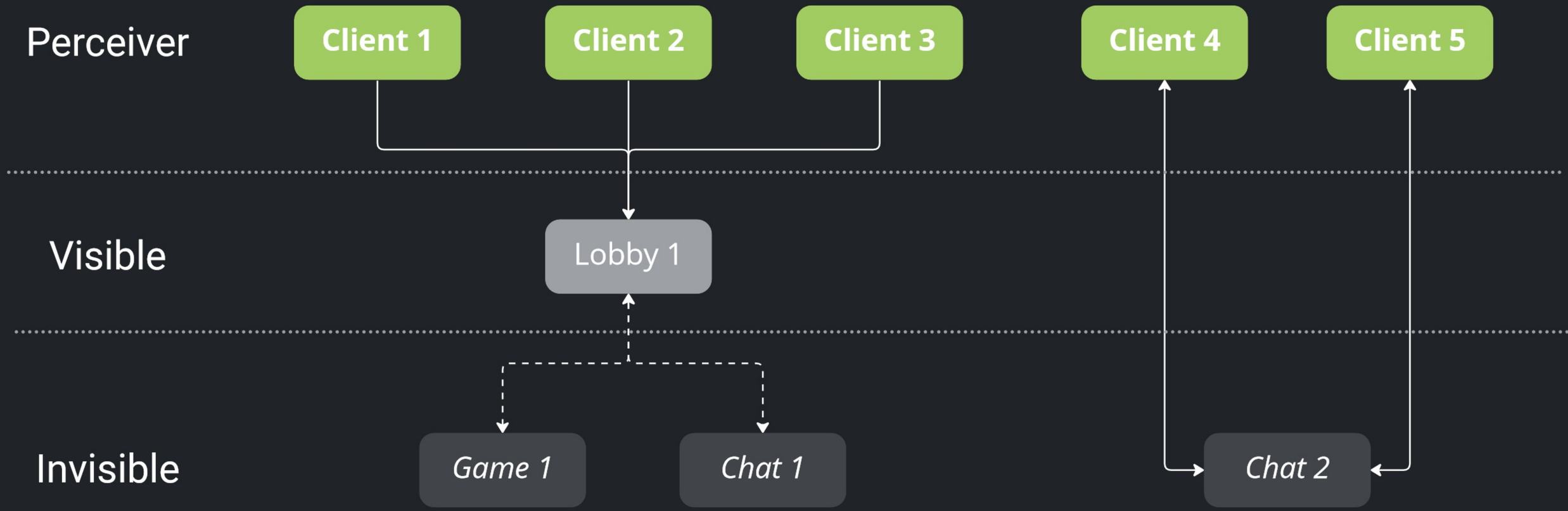
REST (with flow)



N + M

Much Better!

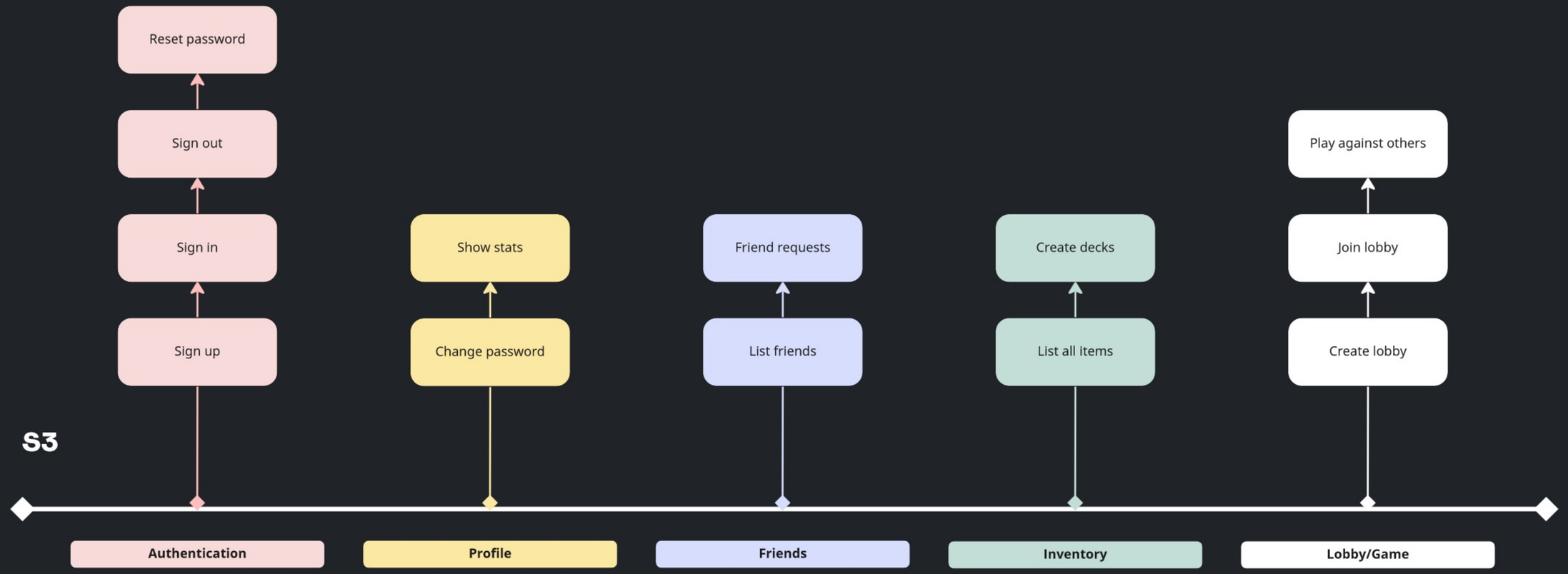
WebSocket


Perceiver
Client 1
Client 2
Client 3
Client 4
Client 5
Visible
Lobby 1
Invisible
Game 1
Chat 1
Chat 2

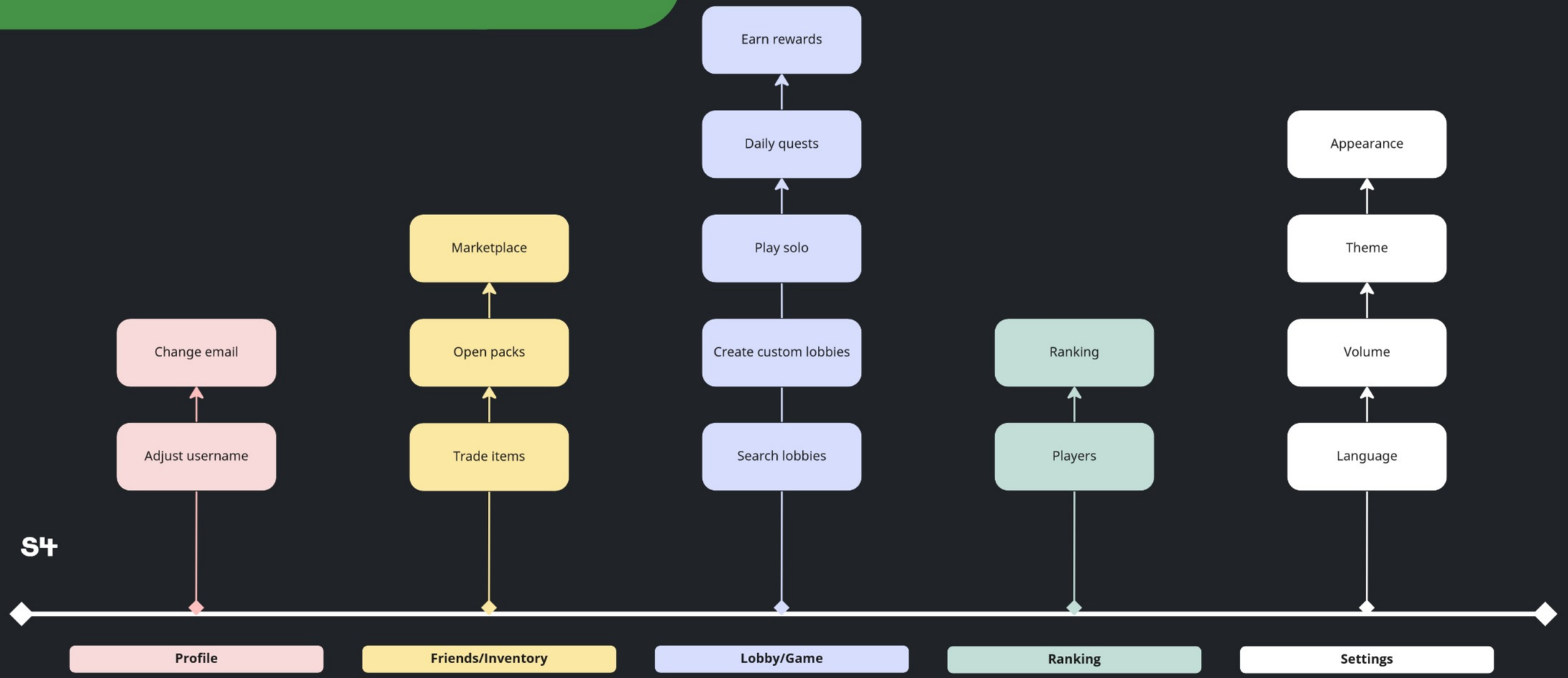
Demo

Roadmap

So Far...


Reset password
Sign out
Sign in
Sign up
Show stats
Change password
Friend requests
List friends
Create decks
List all items
Play against others
Join lobby
Create lobby
S3
Authentication
Profile
Friends
Inventory
Lobby/Game

Future


Earn rewards
Daily quests
Play solo
Create custom lobbies
Search lobbies
Marketplace
Open packs
Trade items
Change email
Adjust username
Ranking
Players
Appearance
Theme
Volume
Language
S4
Profile
Friends/Inventory
Lobby/Game
Ranking
Settings

Thanks!