

# Introduction to



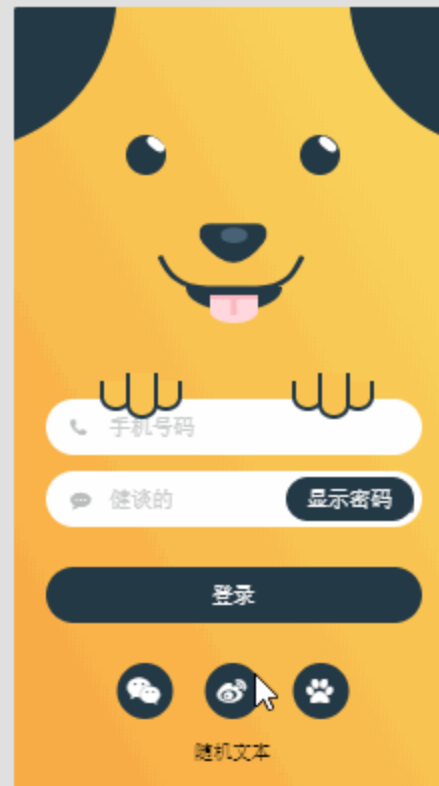
# Agenda

# About me



**My day to day work?**

## Task of the day



# The result

Submit

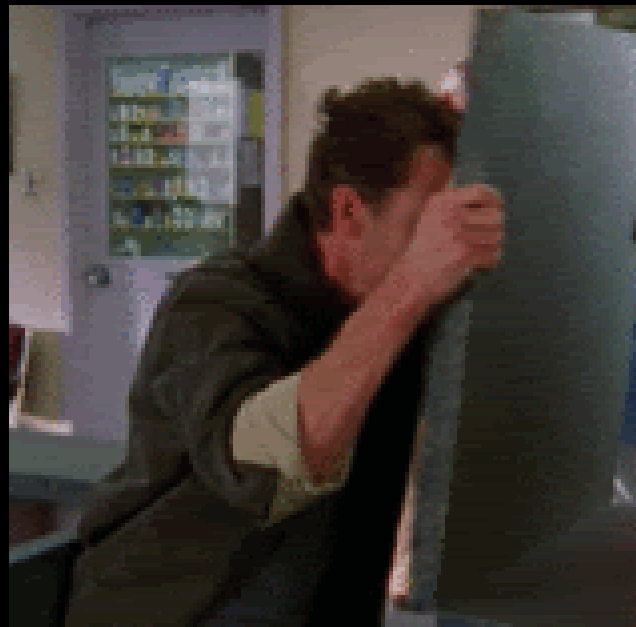
# The fix

# Not quite





# They said boss is not happy!!!



Dunno, reading faces is't my soft skill

**"Did you call the right service?"**

– Colleagues

# Services?

- A modern app is divided into multiple logical services.
- These services expose APIs for interaction with other services or Apps.
- In context of this talk APIs refer to Rest APIs served over HTTP

More precisely these...

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Pixel 2 411 x 731 93%


Elements Memory Console Sources Audits Network Performance Application Security Redux React

View: Group by frame Preserve log Disable cache Offline Online

Filter Hide data URLs All XHR JS CSS Img Media Font Doc WS Manifest Other

Name	Status	Protocol	Domain	Type	Initiator	Size	Time	...	Waterfall
?amount=undefined	200	http/1.1	mobile...	fetch	casino:73	876 B	106 ms	...	
?amount=undefined	200	http/1.1	mobile...	fetch	casino:73	877 B	98 ms	...	
textKey	200	http/1.1	mobile...	fetch	casino:73	839 B	153 ms	...	
explore?limit=4&offset=0&wit...	200	http/1.1	mobile...	fetch	casino:73	3.2 KB	80 ms	...	
explore?limit=8&offset=4&wit...	200	http/1.1	mobile...	fetch	casino:73	6.9 KB	108 ms	...	
explore?limit=32&offset=12&...	200	http/1.1	mobile...	fetch	casino:73	14.2 KB	147 ms	...	
explore?limit=64&offset=44&...	200	http/1.1	mobile...	fetch	casino:73	12.0 KB	92 ms	...	
reload?k=6LFW3CEUAAAAA...	200	http/2+...	www.g...	xhr	recaptcha_en...	8.6 KB	56 ms	...	
e4634a9f18?a=37177158&sa...	200	http/1.1	bam.nr...	xhr	casino:73	184 B	131 ms	...	
status	200	http/1.1	mobile...	fetch	casino:73	798 B	210 ms	...	

Utforska Logga in



Kampanj

Välkomstbonus!

Sätt in 100 kr, så får du 500 kr att spela för på Odds eller i vårt Casino. Välkommen hit!

**How to use a service?**

# Life was fun again



- A happy app sliding on service mesh circa 2018

... Until it wasn't



- A sad app protesting against too much exploitation circa 2018

Few JIRA's later

Checklist continues



# Woes of new feature

Great sportsmanship



- Overwhelming response from a service.

# Colleagues are great

- I've been encouraged to read sourcecode of various services.
- I've been informed about any changes in API.
- I've been coached with methods to investigate and debug the issues.
- Even they sometime handle frontend issues only to realise halfway that it's frontend issue.

**Have you got one to cover you?**

# Not everyone is that lucky...

For you there are other ways to describe APIs

- [API Blueprint](#)
- [API Doc](#)
- [Postman](#)
- [RESTful API Modeling Language](#)
- [JSON API](#)
- [Open API Specification](#) F.K.A. Swagger Specification

# What is Open API?

Programming language-agnostic specification standard to govern how REST APIs are described.

# Features

- Helps you describe REST APIs in textual format (JSON, yaml)
- Definition files can be written by hand or auto generated
- These API definitions can be consumed by Humans and Machines alike
- Tooling can generate API documentation and mocks
- In active development and adopted by all the big players in industry

# Tooling

Swagger is a set of tooling which helps generating Open API specification.

- Swagger Codegen Auto generate server stubs and client SDKs for any API
- Swagger Editor Design, describe, and document your API
- Swagger UI visualize and interact with the API's resources without having any of the implementation logic in place.

# Premium tooling

- [SwaggerHub](#) The Platform for API Design and Documentation with OpenAPI
- [Swagger Inspector](#) Test and document APIs

**Benefits**



# How to start

- SwaggerHub (Lots of examples)
- [Read the documentation](#)
- Swagger Editor
- Swagger Core (annotation)

# Resources

- [Open API visual documentation](#)
- [Some helpful article](#)
- [Open API implementation](#)

**Don't worry about exhaustive list**

It's just an Introduction



There will be more.

Questions

**The end**