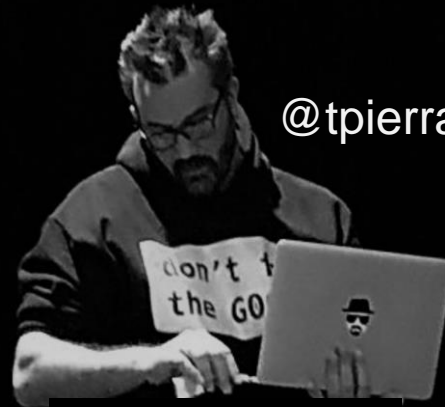


LIVE CODING SESSION

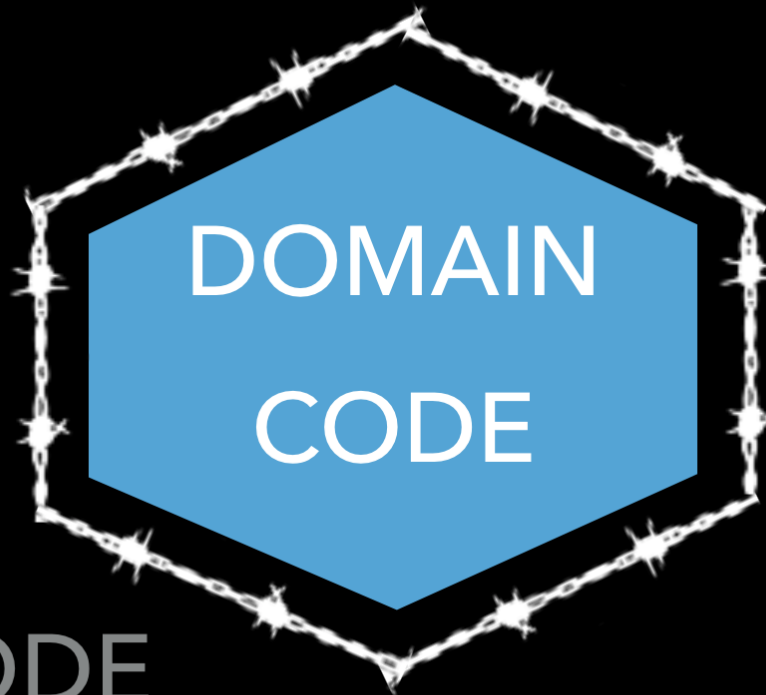
HEXAGONAL ARCHITECTURE FROM SCRATCH



@tpierrain (use case driven)

42skillz 

HEXAGONAL ARCHITECTURE FTW!



INFRA CODE

(Adapters DMZ)

WARNING

DO NOT ENTER
BUSINESS CODE
ONLY

HEXAGONAL ARCHITECTURE?

HEXAGONAL ARCHITECTURE

ALISTAIR COCKBURN



MANY BENEFITS

HEXAGONAL ARCHITECTURE

EMBRACE CHANGE

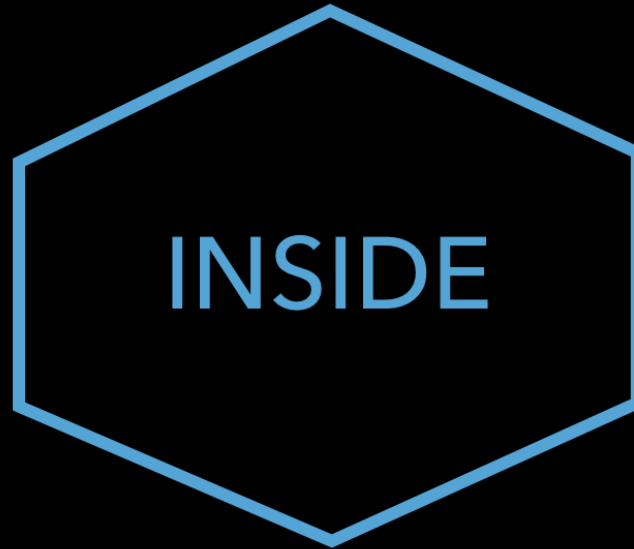
>> PROTECT YOUR DOMAIN CODE <<

ENFORCE TESTABILITY

HEXAGONAL ARCHITECTURE

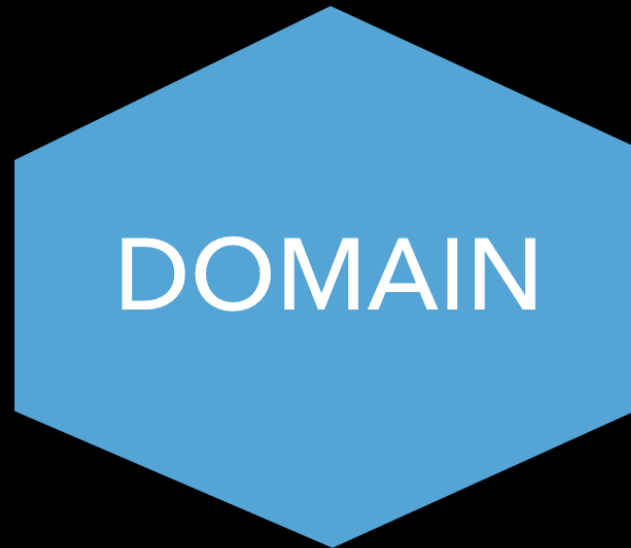
HOW?

HEXAGONAL ARCHITECTURE



OUTSIDE

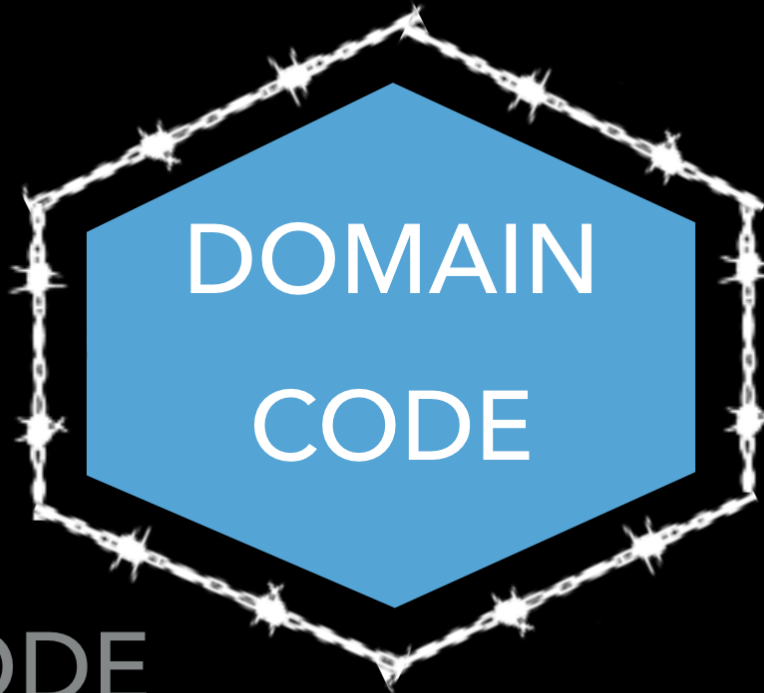
HEXAGONAL ARCHITECTURE



INFRA

(HTTP, Db, MoM,...)

HEXAGONAL ARCHITECTURE



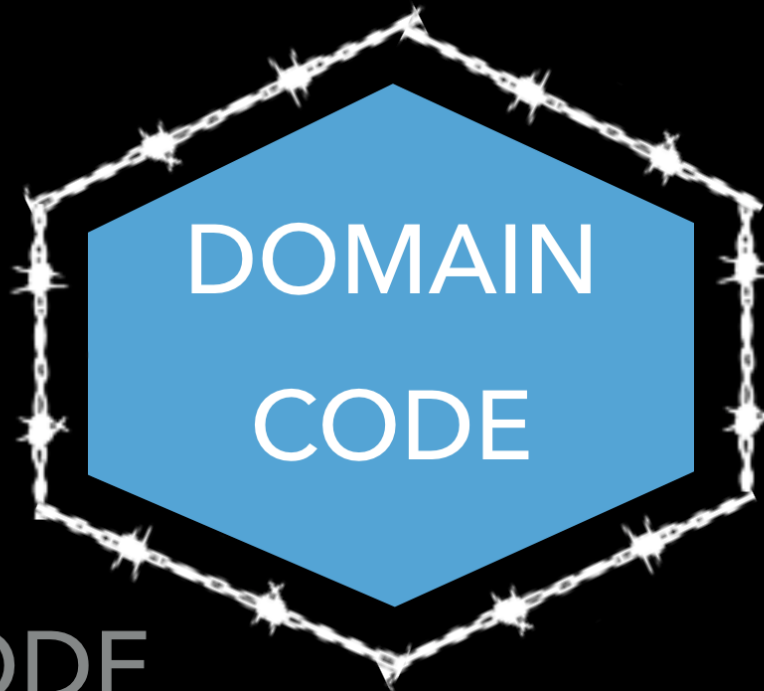
INFRA CODE

(Adapters DMZ)

WARNING

DO NOT ENTER
BUSINESS CODE
ONLY

HEXAGONAL ARCHITECTURE



INFRA CODE

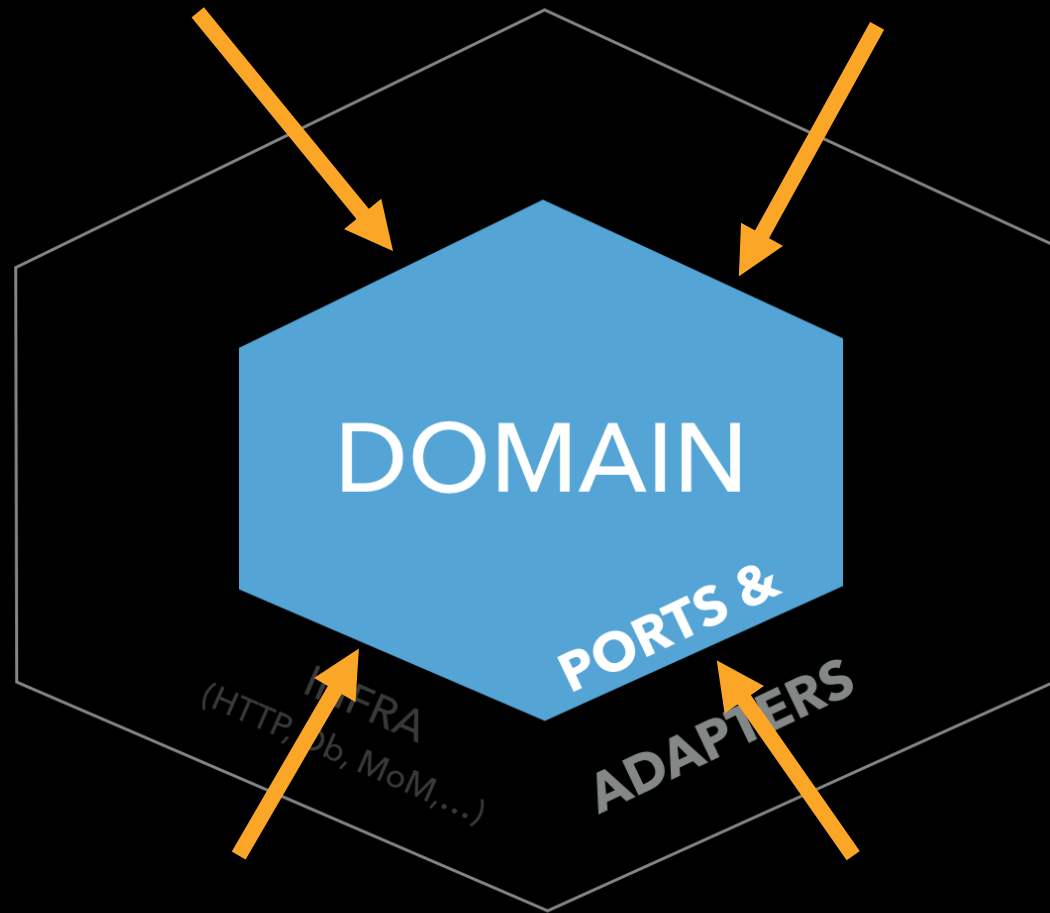
>> playground <<

WARNING

DO NOT ENTER
BUSINESS CODE
ONLY

HEXAGONAL ARCHITECTURE

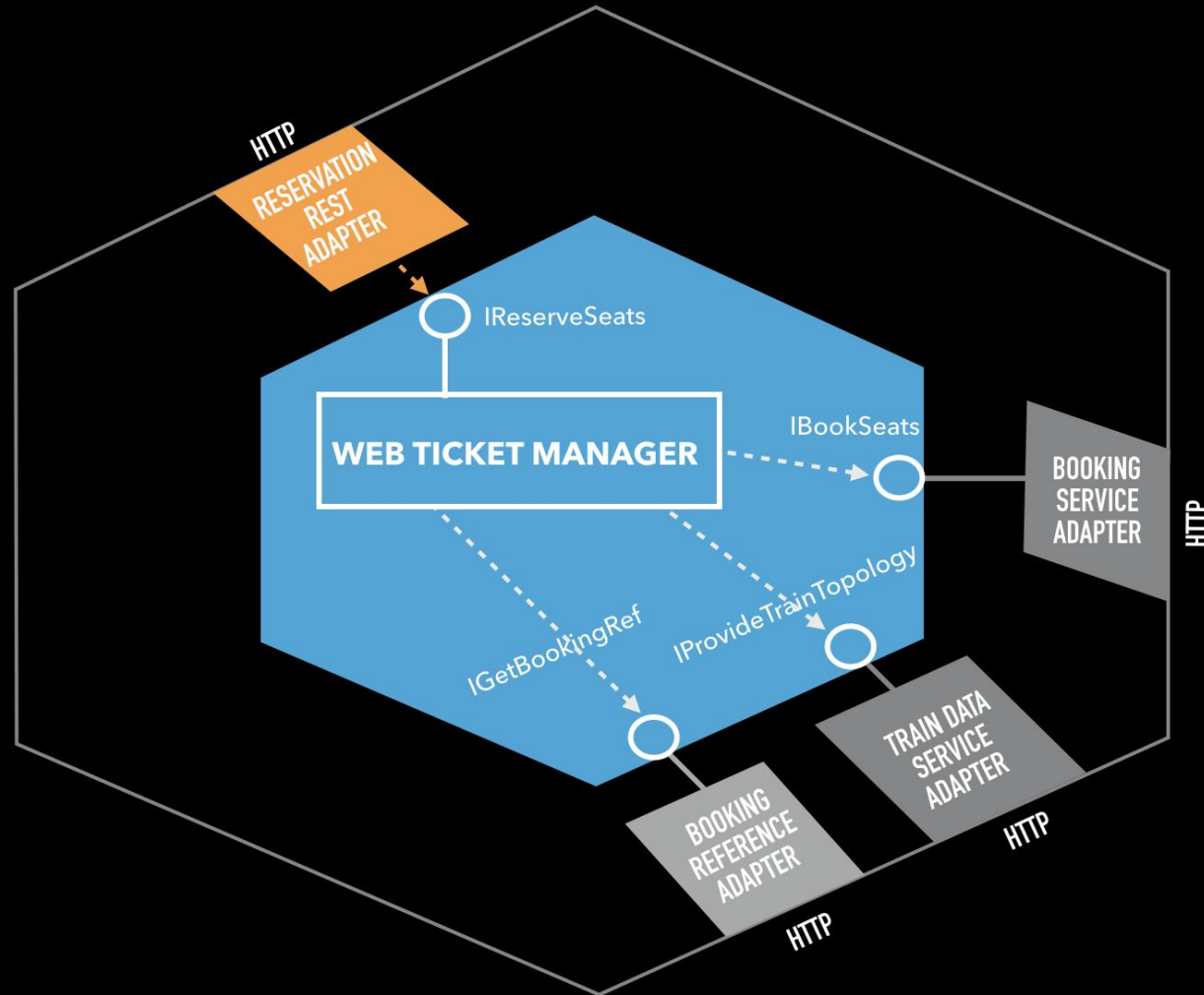
DEPENDENCIES
ALWAYS
TOWARD
THE INSIDE



~~DIP~~ PRINCIPLE
"CONFIGURABLE
DEPENDENCIES"

HEXAGONAL ARCHITECTURE

○
PORTS
IN THE
DOMAIN



ADAPTERS
IN THE
INFRA

HEXAGONAL ARCHITECTURE

PORTS AND ADAPTERS

TO GO IN

TO GO OUT

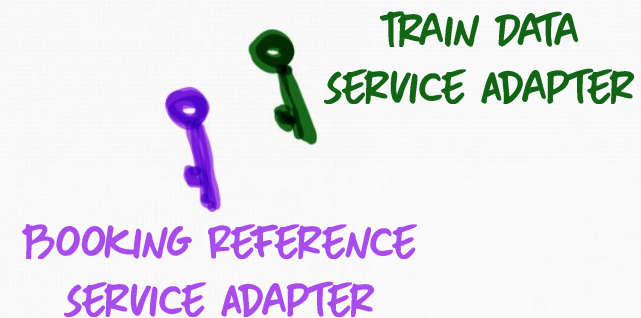
HEXAGONAL ARCHITECTURE

A 3 STEPS INITIALIZATION

THE "KEY RING" METAPHOR

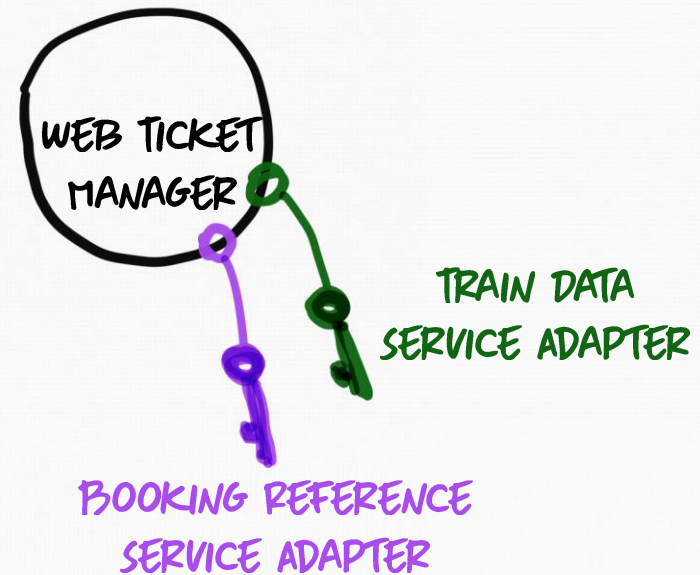
HEXAGONAL ARCHITECTURE

1. INSTANTIATE THE
"I NEED TO GO
OUT" ADAPTERS



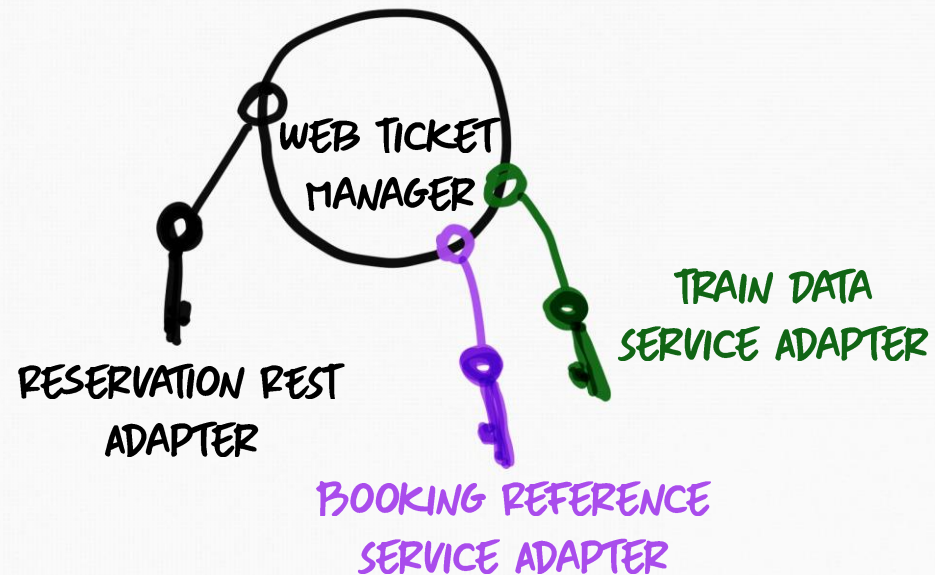
HEXAGONAL ARCHITECTURE

2. INSTANTIATE THE HEXAGON



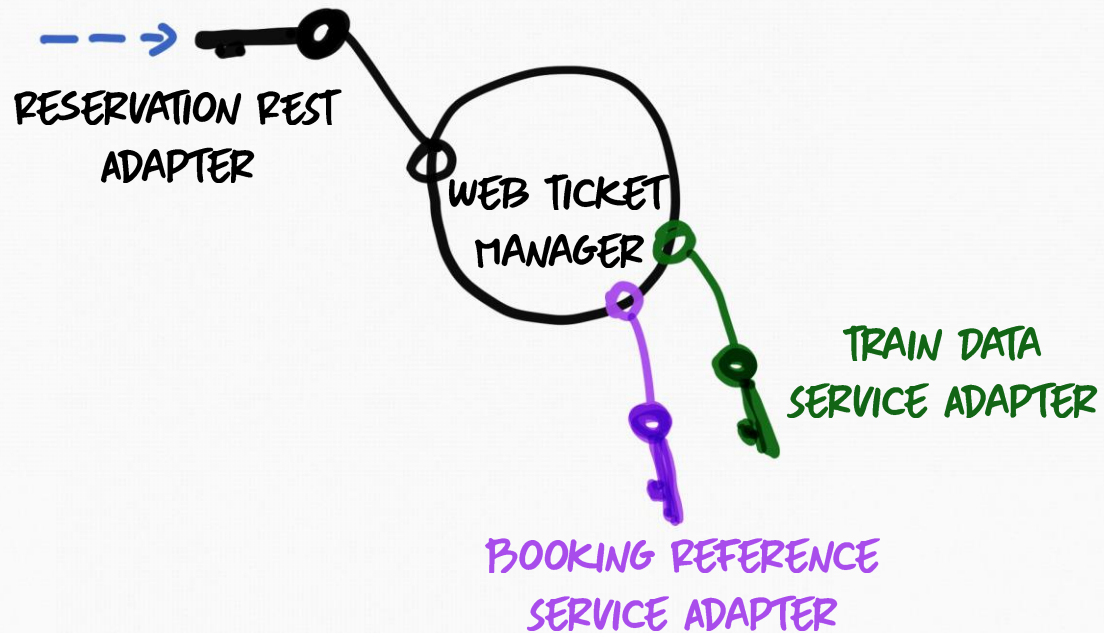
HEXAGONAL ARCHITECTURE

3. INSTANTIATE THE "I NEED TO ENTER" ADAPTERS



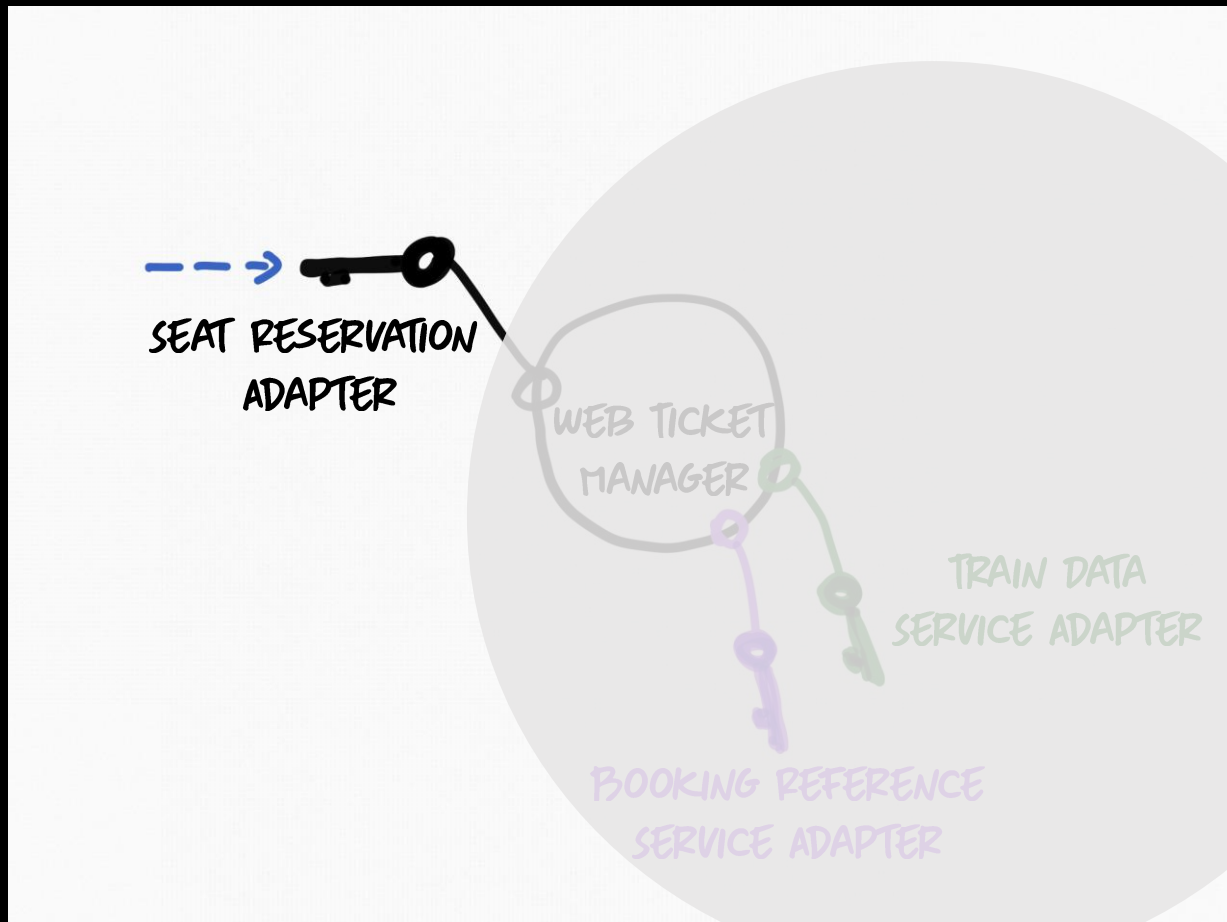
HEXAGONAL ARCHITECTURE

ALL YOU KEEP IN
"YOUR HAND"



HEXAGONAL ARCHITECTURE

ALL YOU KEEP IN
"YOUR HAND"

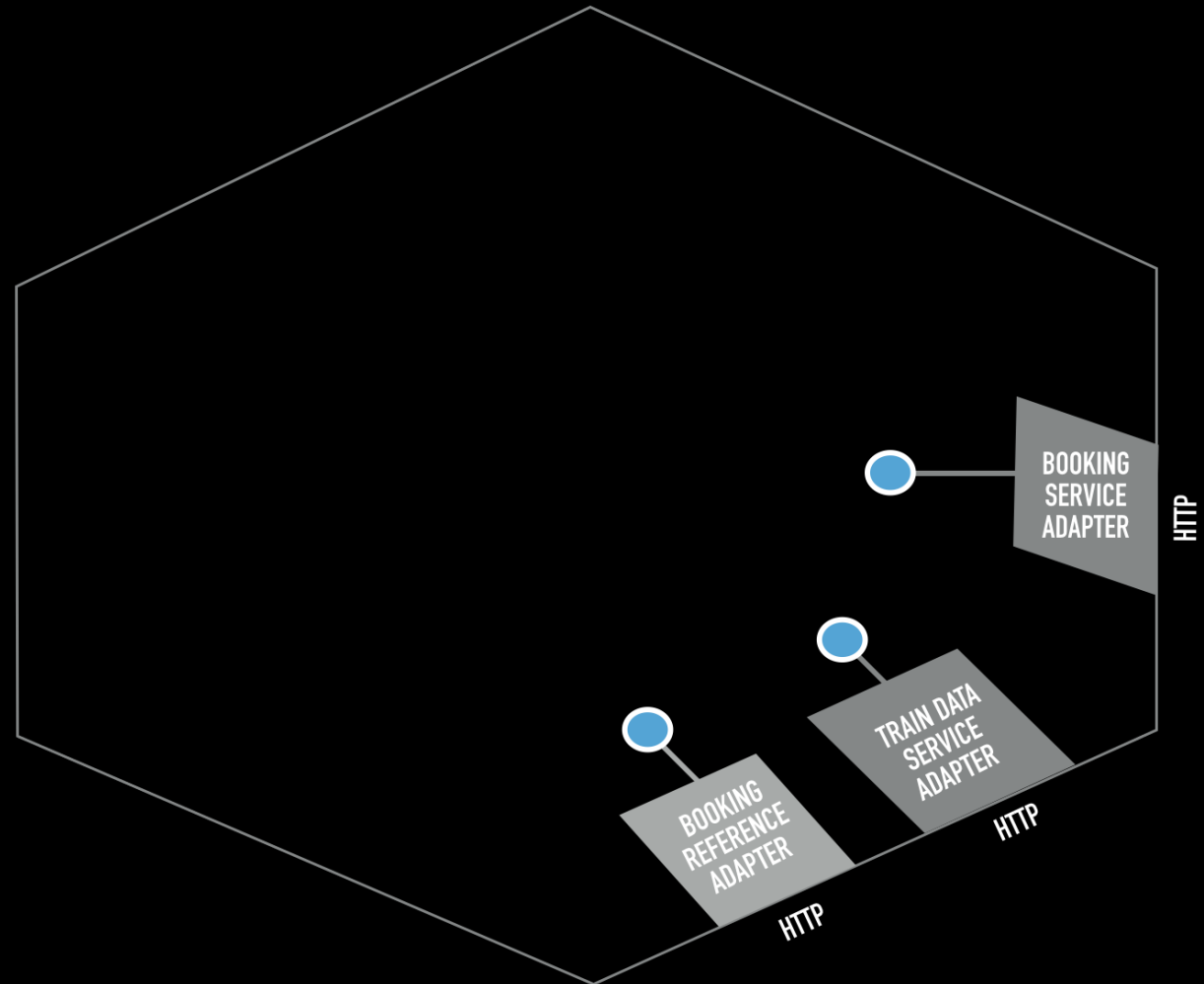


HEXAGONAL ARCHITECTURE

TO PUT IT DIFFERENTLY...

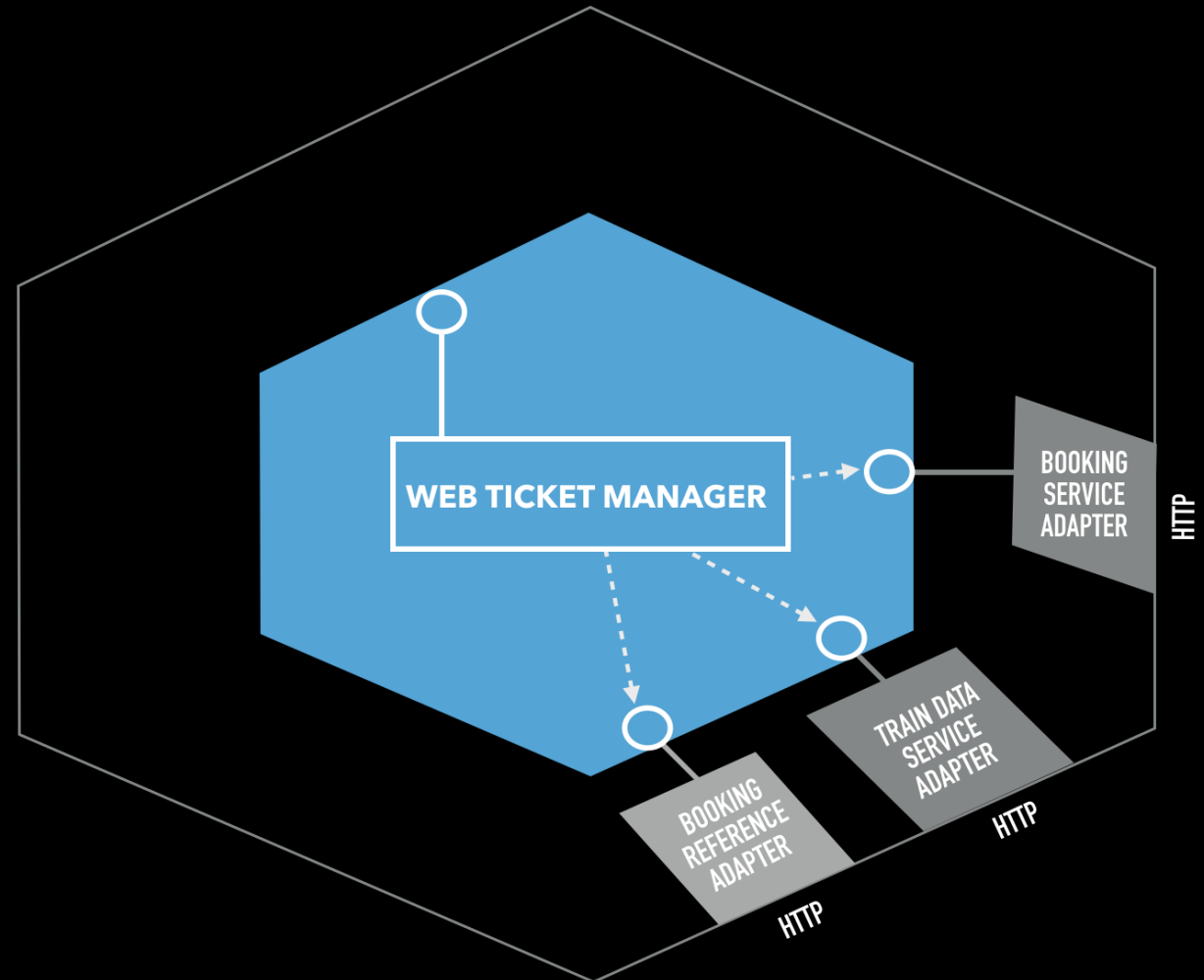
A 3 STEPS INITIALIZATION

1. INSTANTIATE THE
"I NEED TO GO
OUT" ADAPTERS



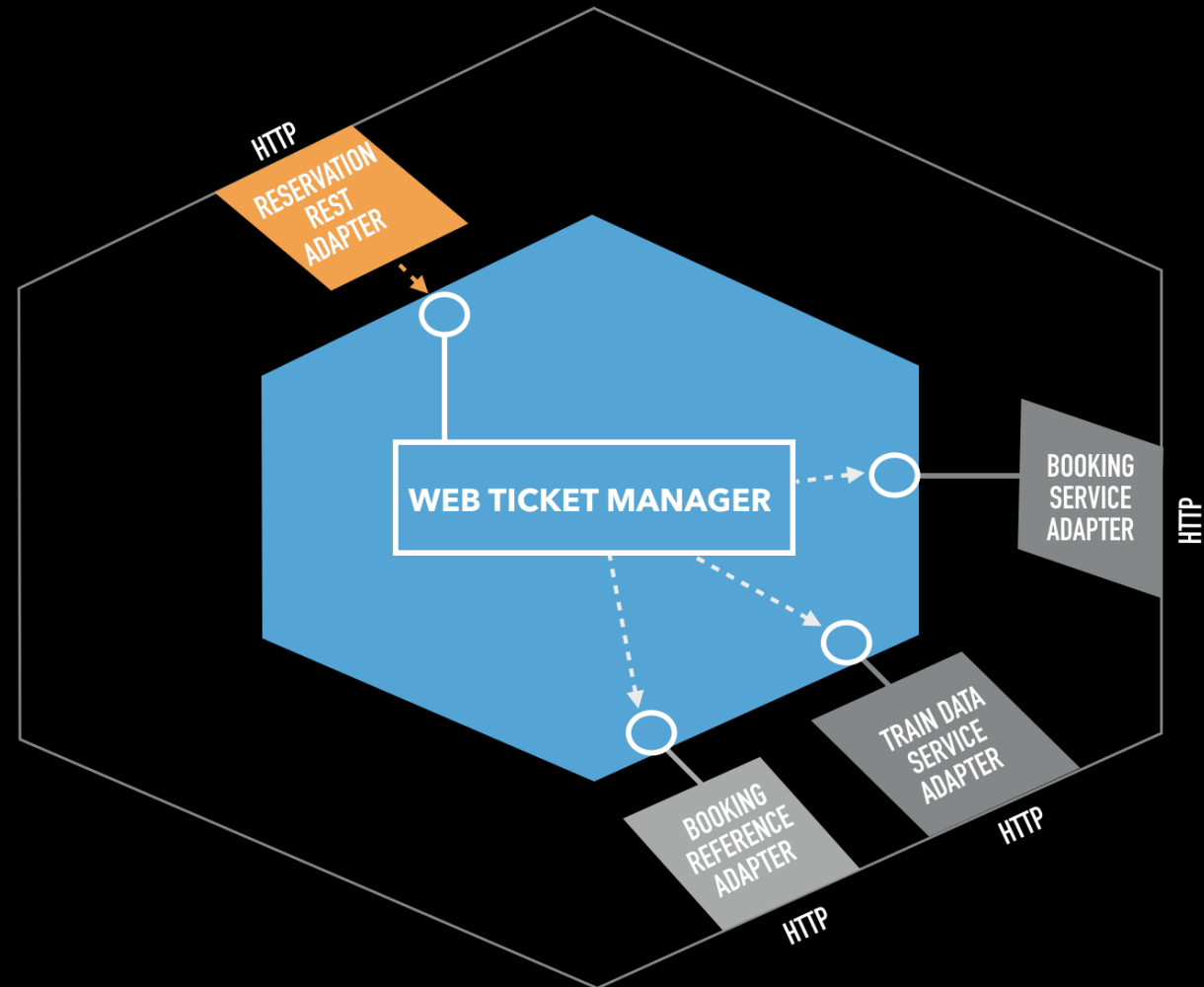
A 3 STEPS INITIALIZATION

2. INSTANTIATE THE HEXAGON



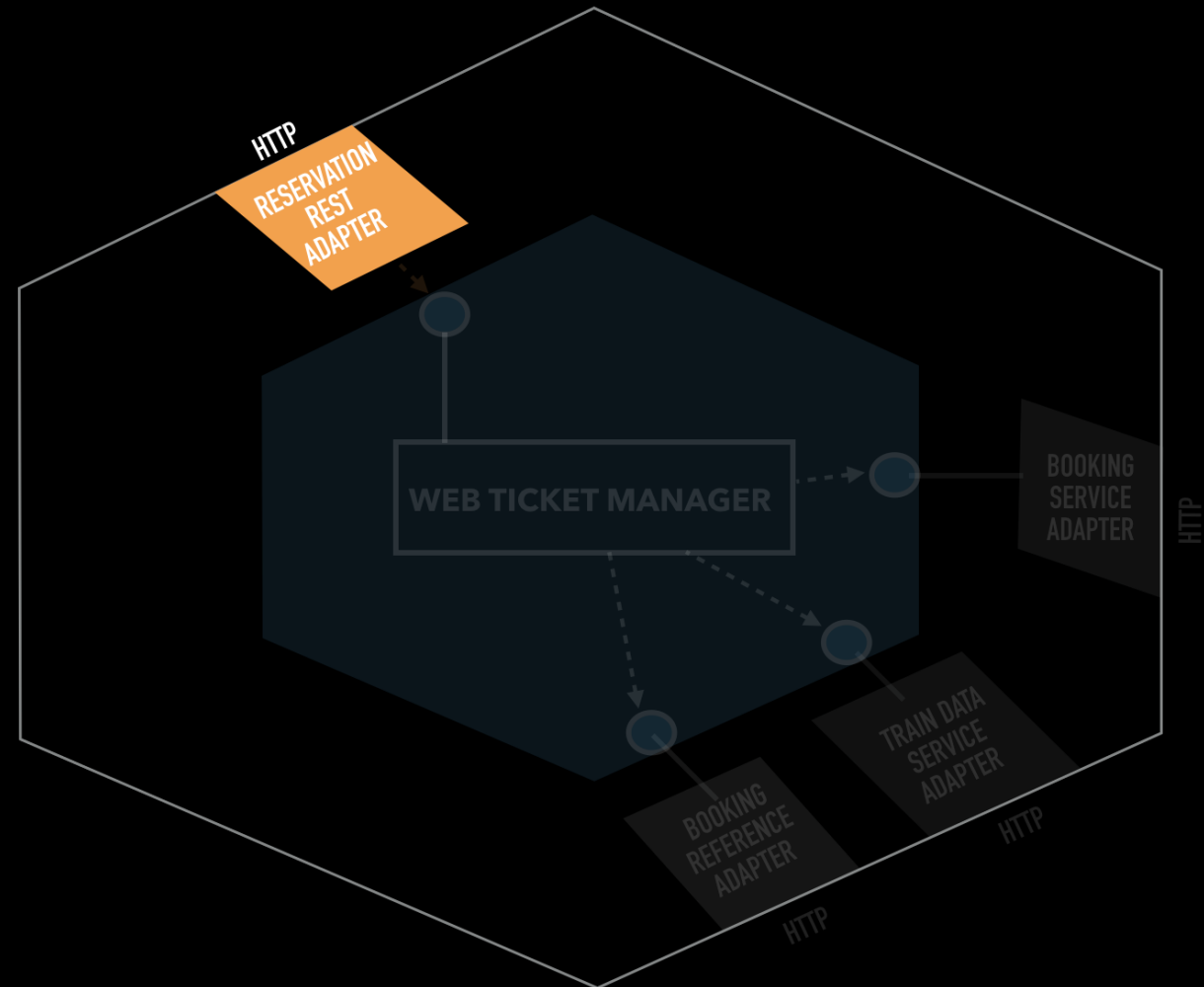
A 3 STEPS INITIALIZATION

3. INSTANTIATE THE
"I NEED TO ENTER"
ADAPTERS



A 3 STEPS INITIALIZATION

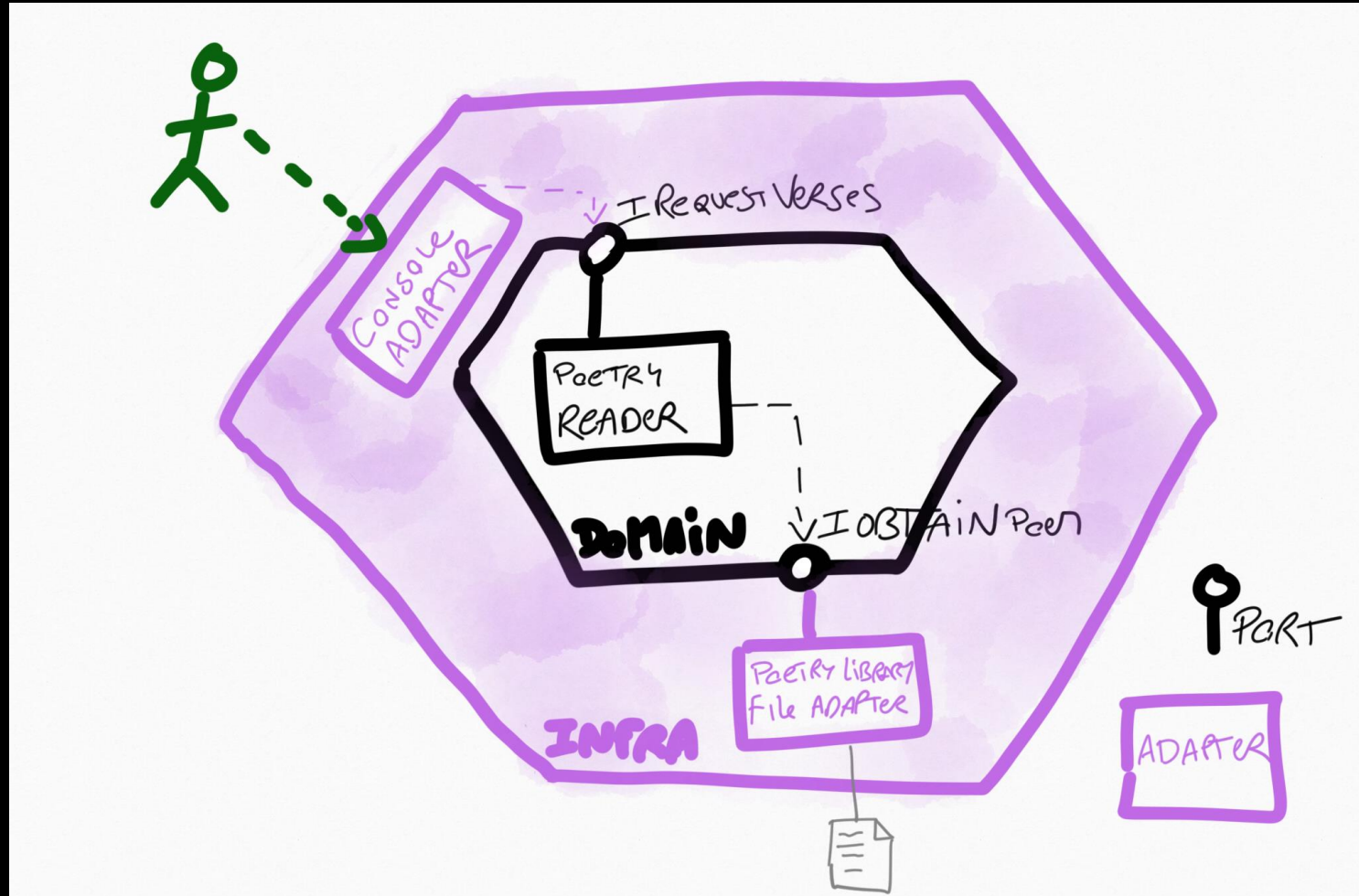
ALL YOU KEEP IN
"YOUR HAND"



HEXAGONAL ARCHITECTURE

OUR CASE FOR TODAY...

POETRY!



HEXAGONAL ARCHITECTURE

LET'S DO IT!

WRAP-UP

WRAP-UP

EASE OUTSIDE-IN TDD

SPLIT DOMAIN / INFRA CODE

EMBRACE CHANGES

MERCI :-)

QUESTIONS?