



Agile Inception Deck

**Group 3
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Iman**

Home \$ense

To provide the ideal houses to our
customers with the most accurate data



Why?

Why are we here?

- To make sure our target audience receive the desired household
- To provide useful data such as housing trends that are relevant to people who are looking for houses to buy
- List important factors which affect the prices of the house
- To help people make better decisions and gain better insights
- To help businesses and organizations to grow faster and efficiently

Main Point



**To help people make better
decisions and gain better
insights regarding housing
needs**

Elevator Pitch

For

Realtors, Families and AirBnB clients

Who

Are looking for accurate data to buy the perfect house for them

The

Home \$ense

Is A

A Housing Data as a Service (DaaS) platform

That

Helps people make better decisions and regarding housing needs.

Unlike

HDB Data platform

Our Thing

Project provides data for all types of houses.

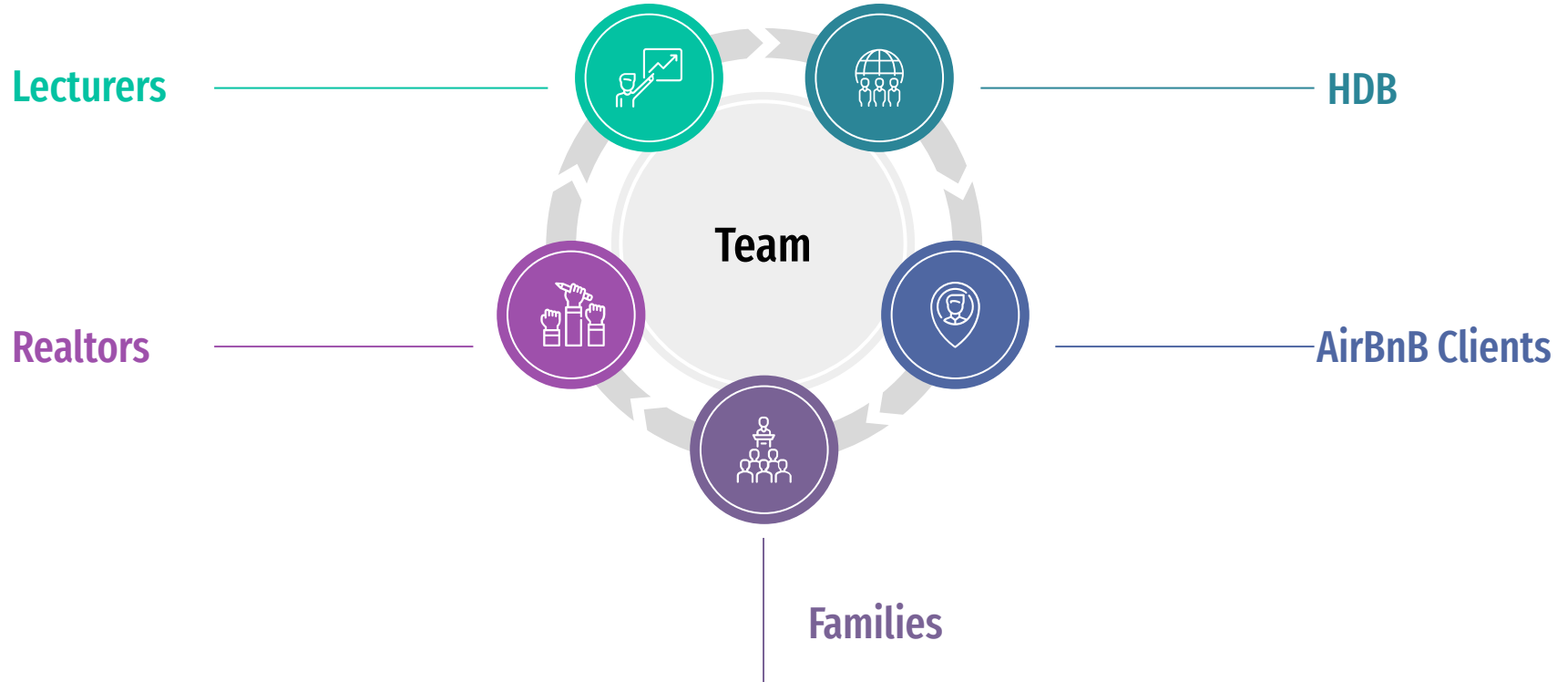
Product Box



The Not List

IN	OUT
Estimated Price	Private Houses
Effects of factors on Resale Price	Rental Houses
Price to Rent ratio	Storey of Houses
Latest Trends	Generation of Houses
Nearest MRTs and Schools	
UNRESOLVED	
Other External Datasets	

Project Community



Technical Solutions

Tools

- Kaggle
- Github
- Jupyter Notebook
- AirByte
- PostgreSQL
- Trello

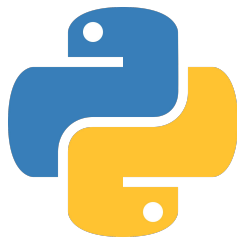
kaggle



Technical Solutions (cont.)

Languages

- Python
 - NumPy
 - Pandas
- SQL



NumPy



What keeps us at night?

Many things could go wrong with our project. There are things we can handle, some things we can't. Here are the things that keeps us at night.

1

Long hours needed for each tasks

2

Balancing work with other assignments

3

Availability of team members

4

Being complacent with our tasks

5

Mistakes will appear throughout the assignment

6

In the process or learning, gaining information

Meet the A-Team



Scrum Master

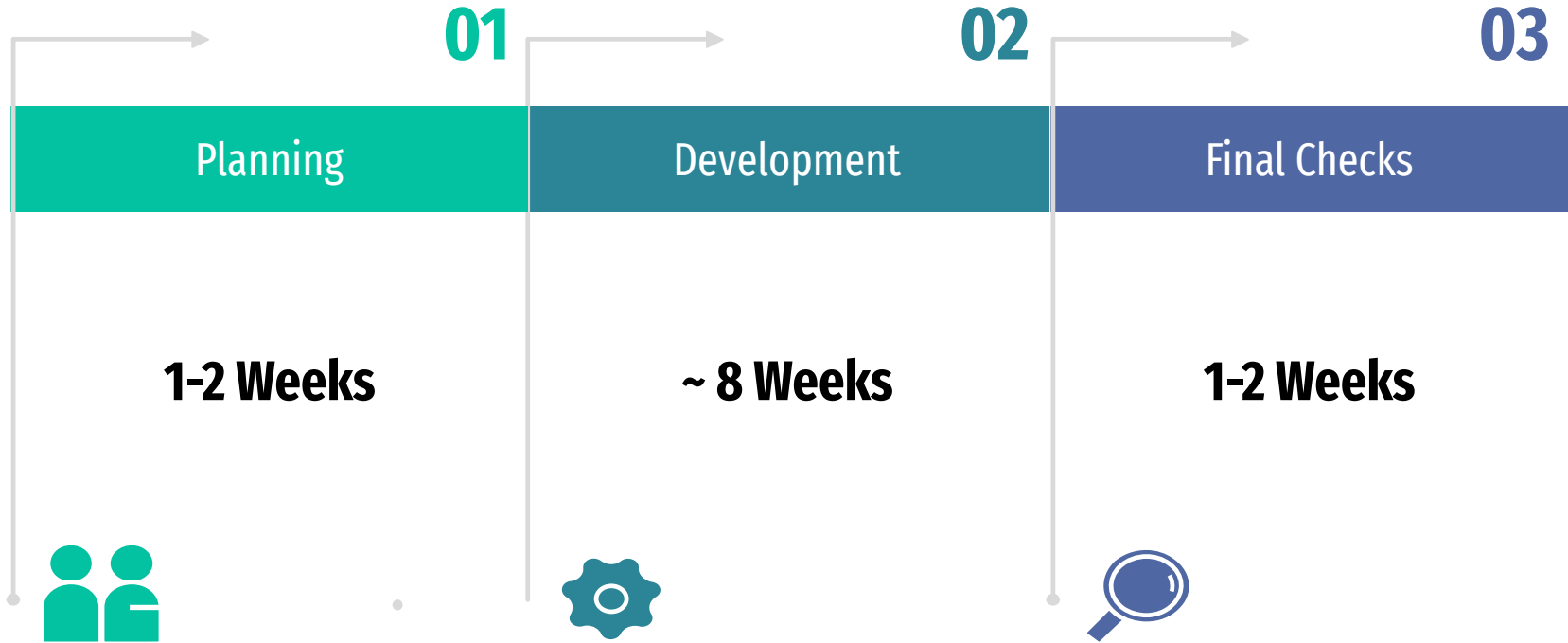
Leading the team,
improving the
team's practices,
leader of the team



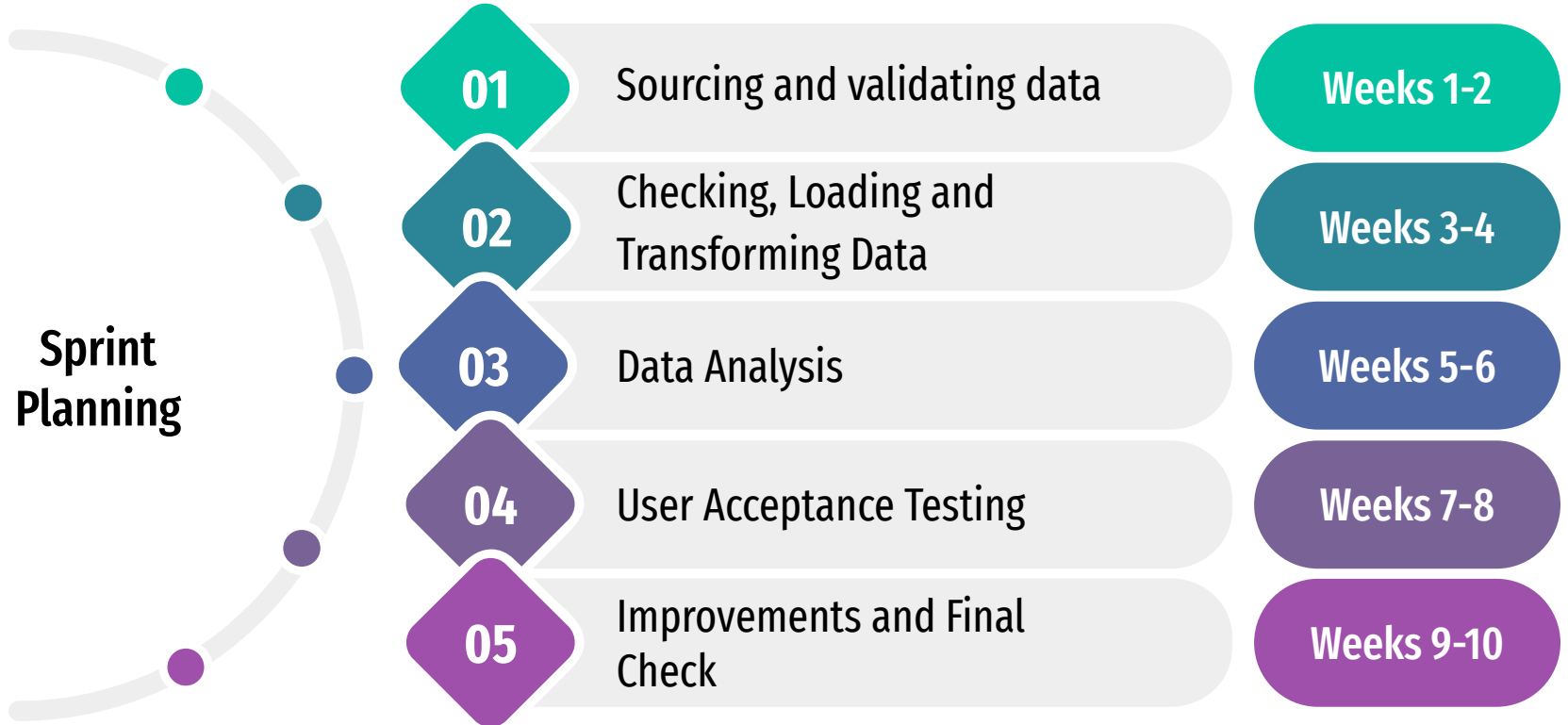
Developers

Python, SQL
NumPy,
pandas

How big is this thing?







Sprint Planning





Trade-off sliders





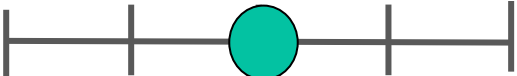
		The classic four	
1		5	Feature completeness (Scope)
1		5	Deliver project on time (Time)
1		5	Stay within budget (Budget)
1		5	High quality, low defects (Quality)

1 - Highly critical and should not be traded-off

5 - Least critical and can be traded-off



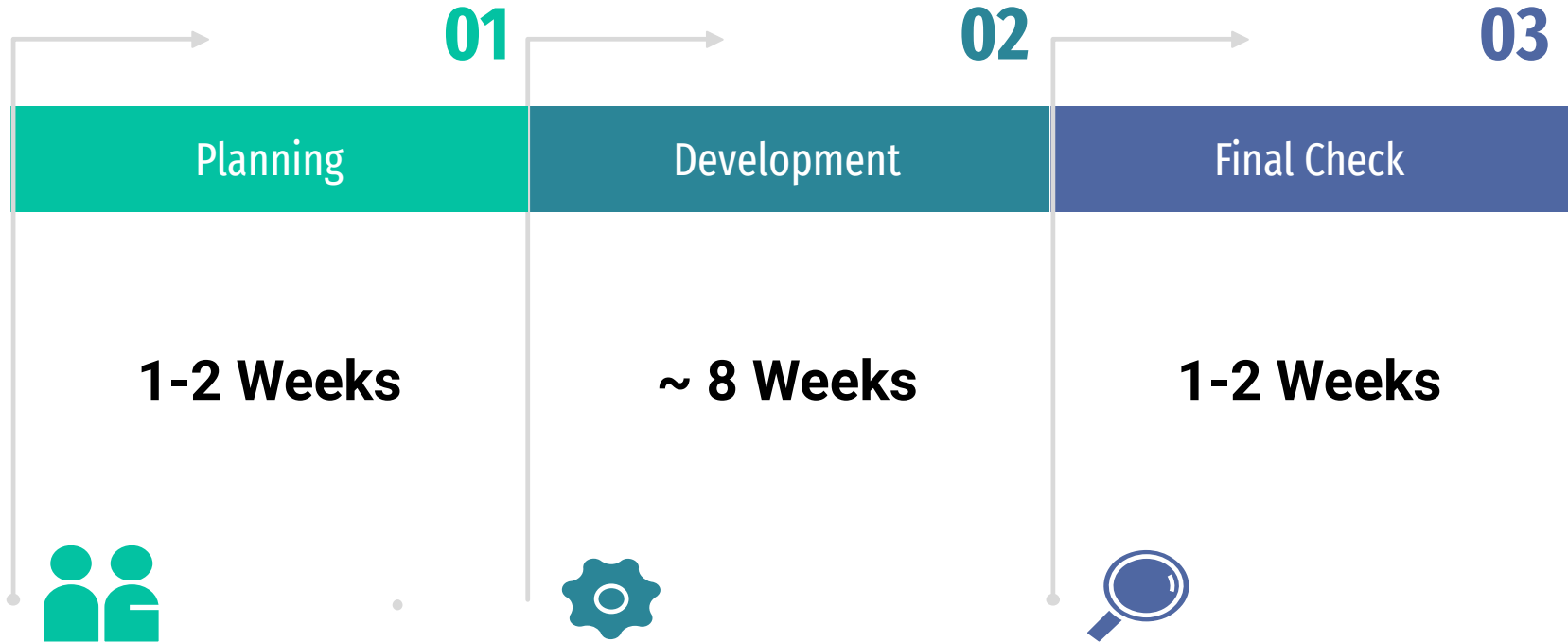
Trade-off sliders

	Other important factors	
1  5	Complexity	
1  5	Reliability	
1  5	Coverage	
1  5	Accuracy	
1  5	Usability	

1 - Highly critical and should not be traded-off

5 - Least critical and can be traded-off

What it's going to take?



4 people, ~3 months, \$1000 capped



*Thank
You*