Too-Hard-To-Find-A-Name
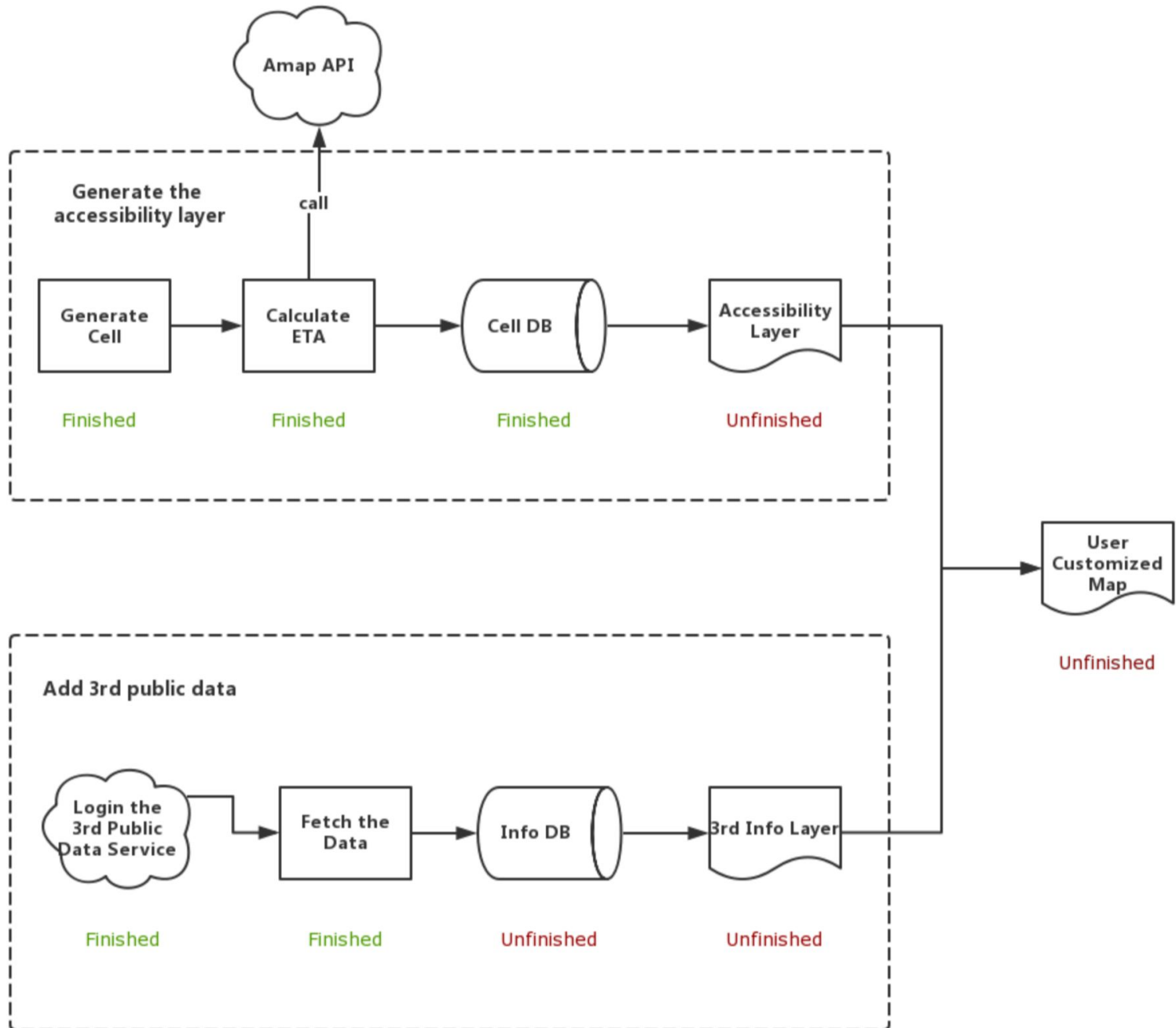
Advanced Services Engineering Fudan 2018/Too-Hard-To-Find-A-Name
https://github.com/AdvancedServicesEngineeringFudan2018/Too-Hard-To-Find-A-Name

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Amap API

Generate the accessibility layer

call

Generate Cell	→	Calculate ETA	→	Cell DB	→	Accessibility Layer
Finished		Finished		Finished		Unfinished

User Customized Map

Unfinished

Add 3rd public data

Login the 3rd Public Data Service	→	Fetch the Data	→	Info DB	→	3rd Info Layer
Finished		Finished		Unfinished		Unfinished

Architecture

Model: Python

View: Web

Controller: not done yet
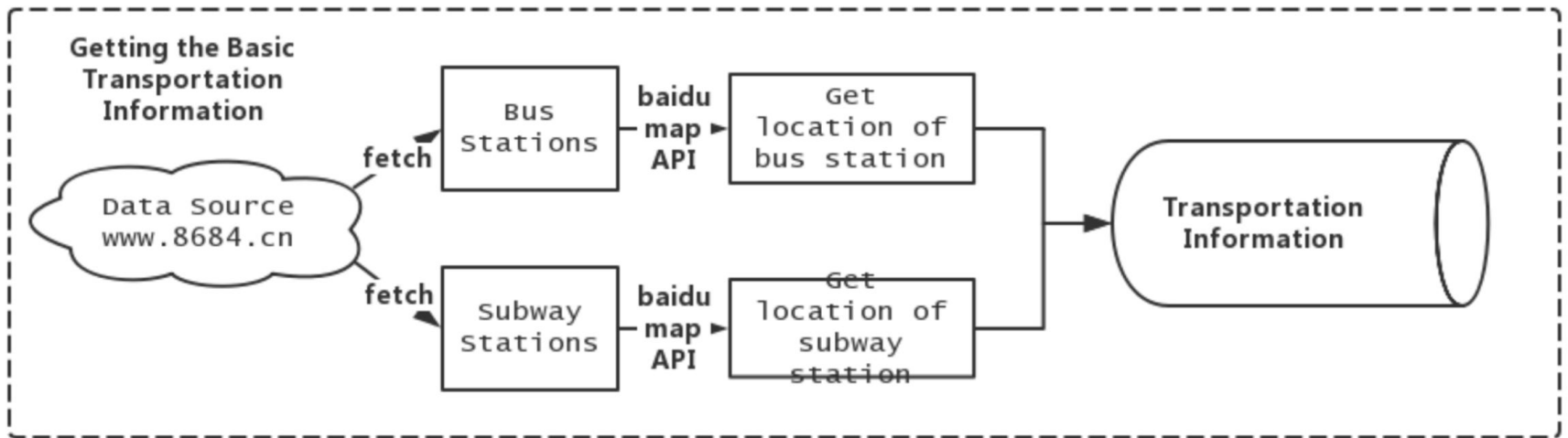
List

Done

- **Fetch the polyline of district by given keyword**
- **Divide the district region into hexagon areas**
- **Fetch the estimating time needed to arrive the 'Given Point' to every hexagon area by AMap API**
- **Generate the heatmap value by estimate time**

TODO

- **Optimize the efficiency on fetching the estimating time**
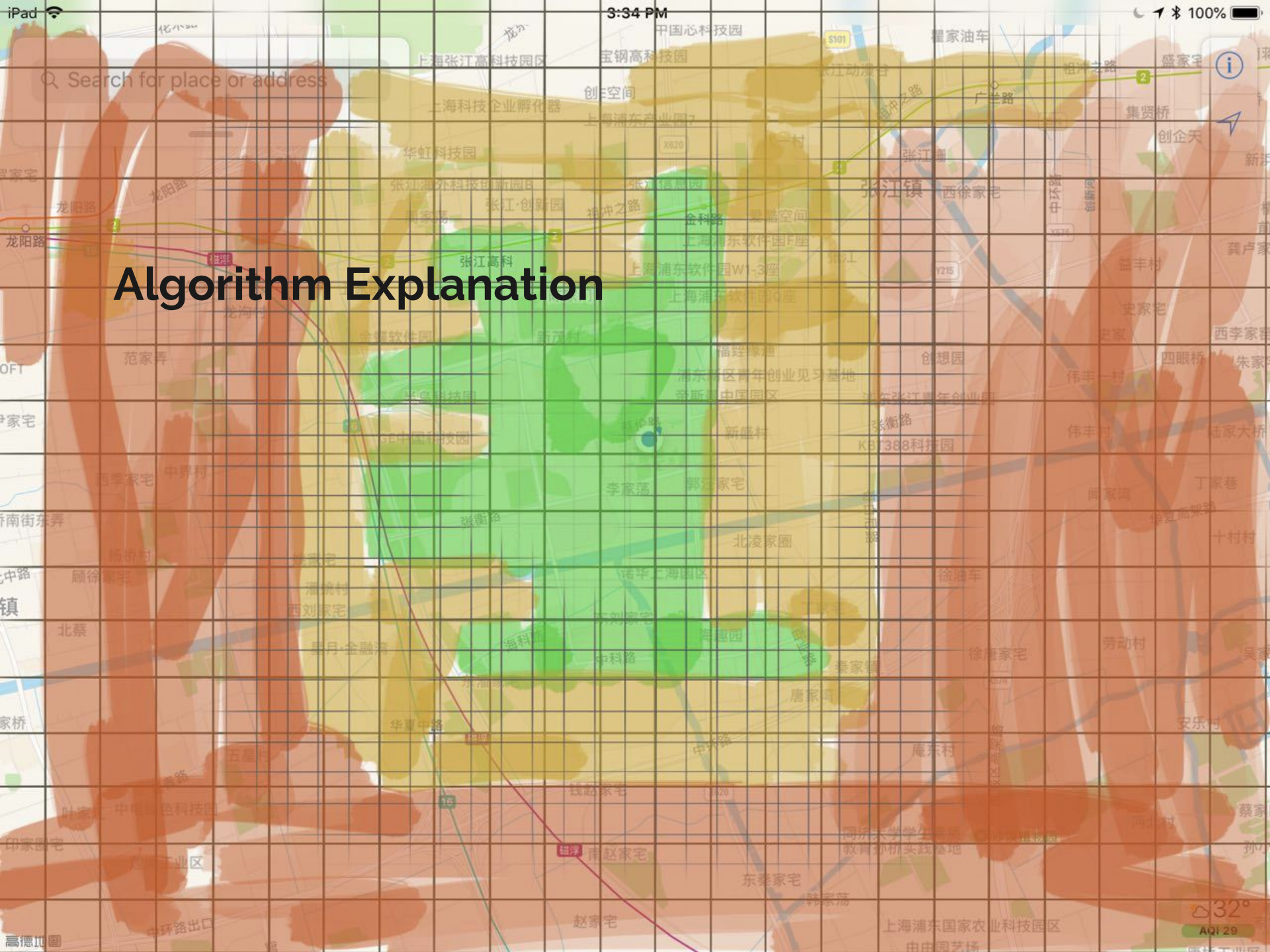- **Render the heatmap in frontend UI**

Getting the Basic Transportation Information

Data Source www.8684.cn

fetch → Bus Stations

baidu map API ▶ Get location of bus station

fetch → Subway Stations

baidu map API ▶ Get location of subway station

Transportation Information

Deprecated

3rd API Status

Foursquare API: https://developer.foursquare.com/docs/checkins/recent good

Didi dataset: fetched, unformatted

House Price: fetched, formatted

AMap: http://restapi.amap.com/

Algorithm Explanation

Failure Conclusion

- Lack of the experience of the web development
- Lack of communication and dev document
- Lack of the dataset, and the experience to get the dataset(and application may need for days
- Stressful time