



# Aptoid

Your Android App Store

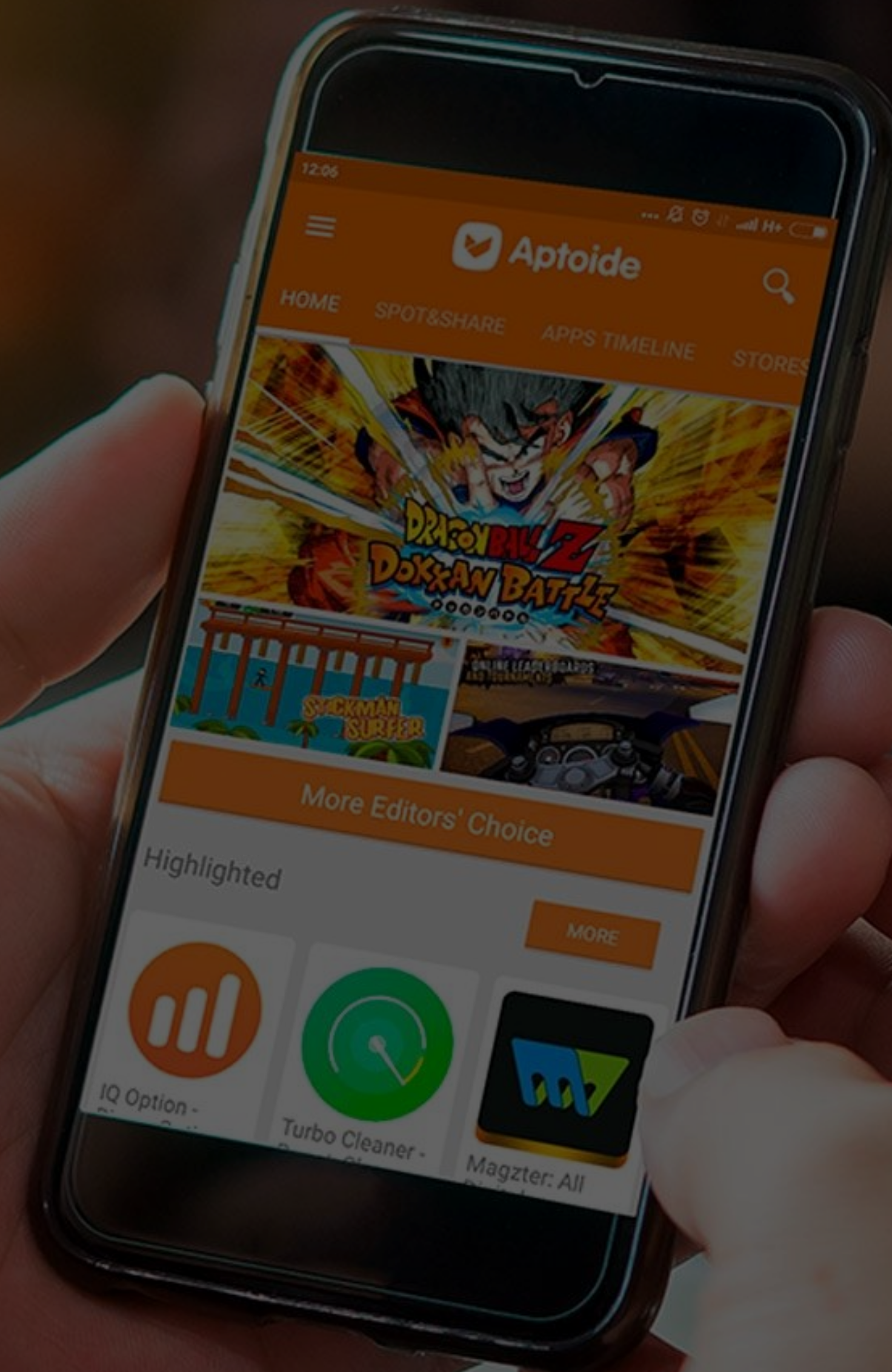
## Graphs for Timeline

Summer Internship 2017

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Mentors: Diogo Pires

Luís Pinto





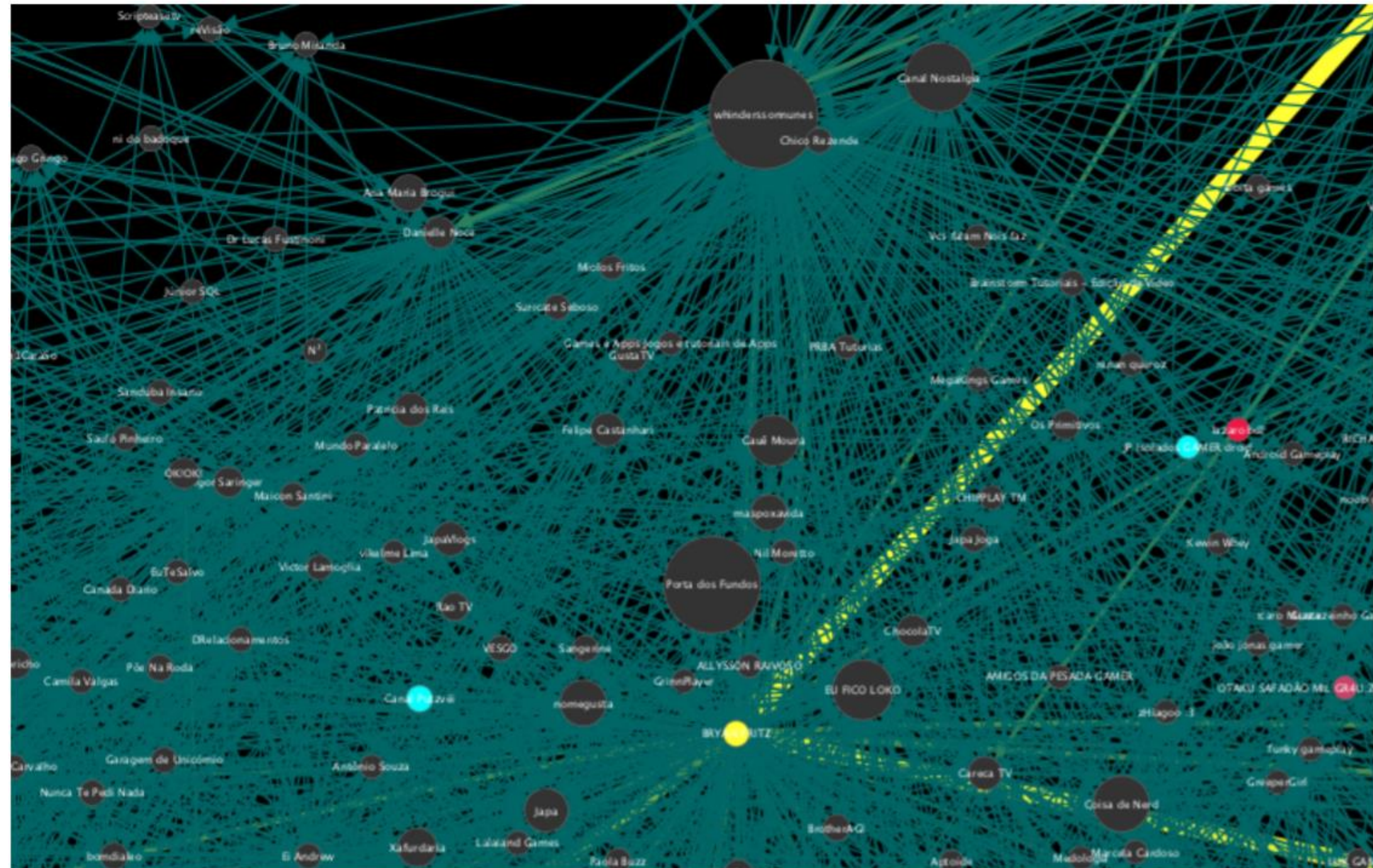
# SUMMARY

- Purpose
- Goals
- Motivation
- Technologies
- Roadmap



# PURPOSE

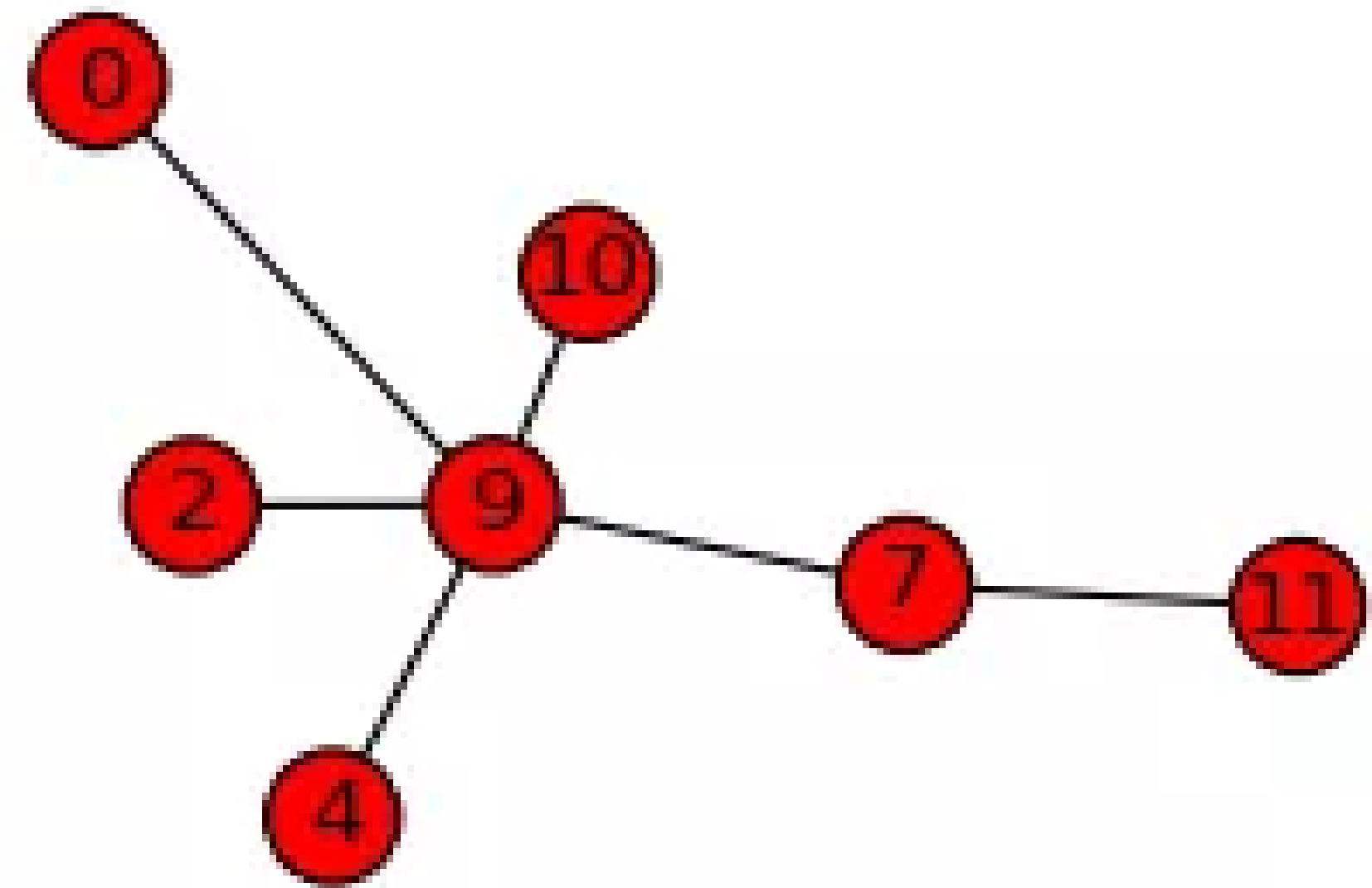
- Create a graph visualization:
  - Nodes - stores
  - Edges – links between a store and a follower store





# GOALS

- Analyse different Python graph creation tools (capable of exporting to image file) and propose one
- Construct a prototype for the user to user graph creator(2 degrees)



# MOTIVATION

- Allows to each user visualize on a graph who is following him and who is follow their followers



# MOTIVATION

- Create a recommender system - identify recommendations of apps for individual users to provide a richer experience

## Top de lojas

ESTA SEMANA

ESTE MÊS

DESDE SEMPRE



apps  
9.636.278 ↓



mark8  
4.634.559 ↓



dwiko-lukito  
664.856 ↓



apk-4-free  
448.092 ↓



app-free-group  
432.023 ↓



tiendacanaima  
386.176 ↓



meilaiyuan  
372.639 ↓



milaupv  
367.132 ↓



appsbench  
319.375 ↓



sandro797  
300.172 ↓

# TECHNOLOGIES



**NetworkX**

# ROADMAP

- Phase 1 – [July 10 – July 14]
  - Mentor meeting
  - Goals definition
  - Presentation and discussion of the project
  - Initial project planning
  - Set up initial tools
  - Research on python data structures
  - Research on python libraries for graphs visualization



# ROADMAP

- Phase 2 – [July 17 – July 21]
  - Creating and preparing the initial presentation
  - Initial presentation
  - Import dataset on python data structure

# ROADMAP

- Phase 3 – [July 24 – July 28]
  - Function that receives user id and return a graph visualization with 2 degrees
  - Research on indicators of centrality



Thank you