JACKALOPE SEARCH ENGINE

THE FINALE YOU'VE ALL BEEN WAITING FOR...

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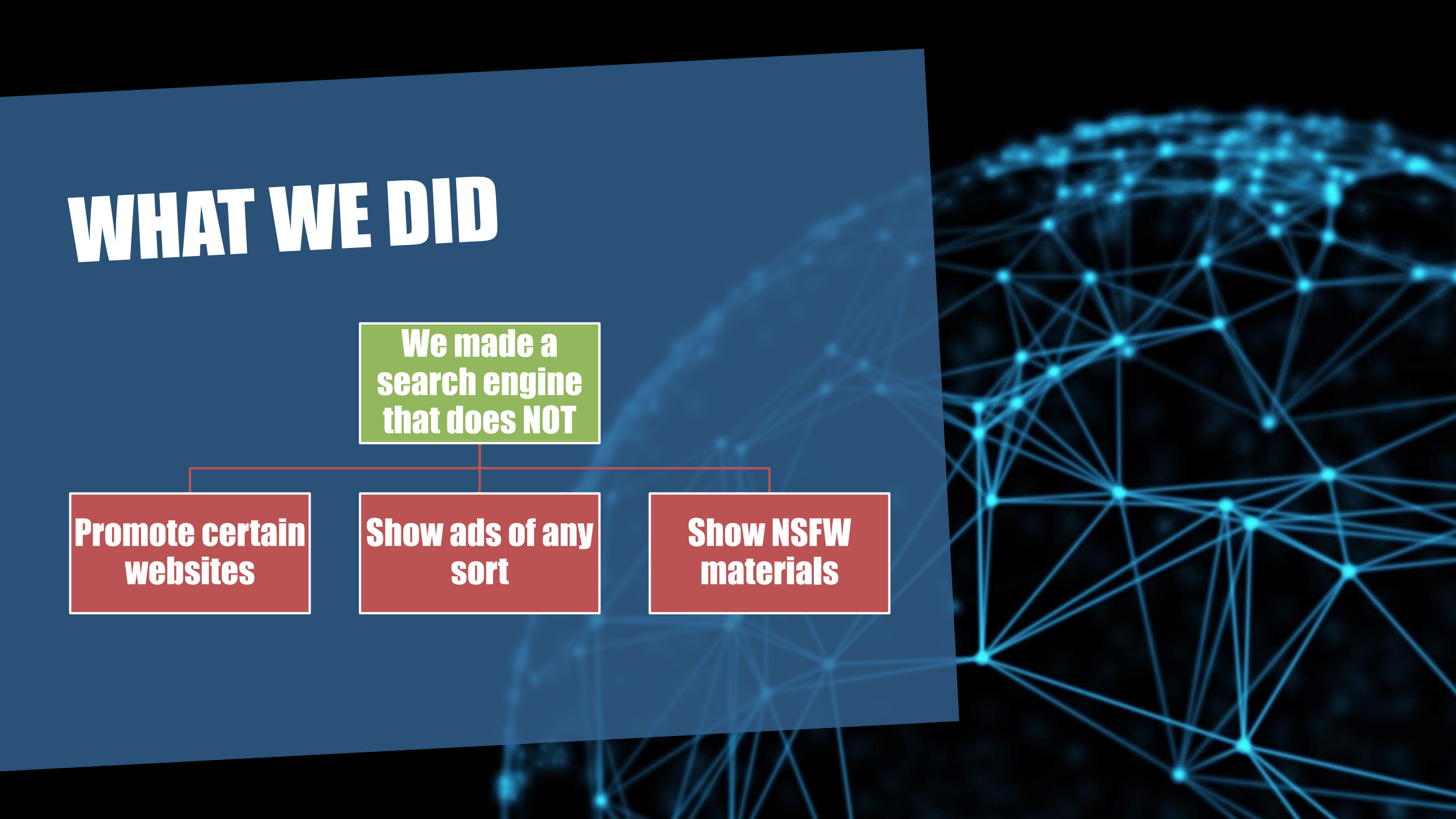
WHAT WE PROMISED

- A SEARCH ENGINE...
  - FOR SCHOLASTIC SEARCHES
  - THAT PROTECTS YOUR PRIVACY
  - TO PROVE YOU DO NOT NEED A LARGE INDEX OF WEBSITES
  - THAT WOULD ALLOW YOU TO SEARCH ON YOUR OWN HARDWARE

WHAT WE DID

We made a search engine that does NOT

- Promote certain websites
- Show ads of any sort
- Show NSFW materials



WHY WE DID IT

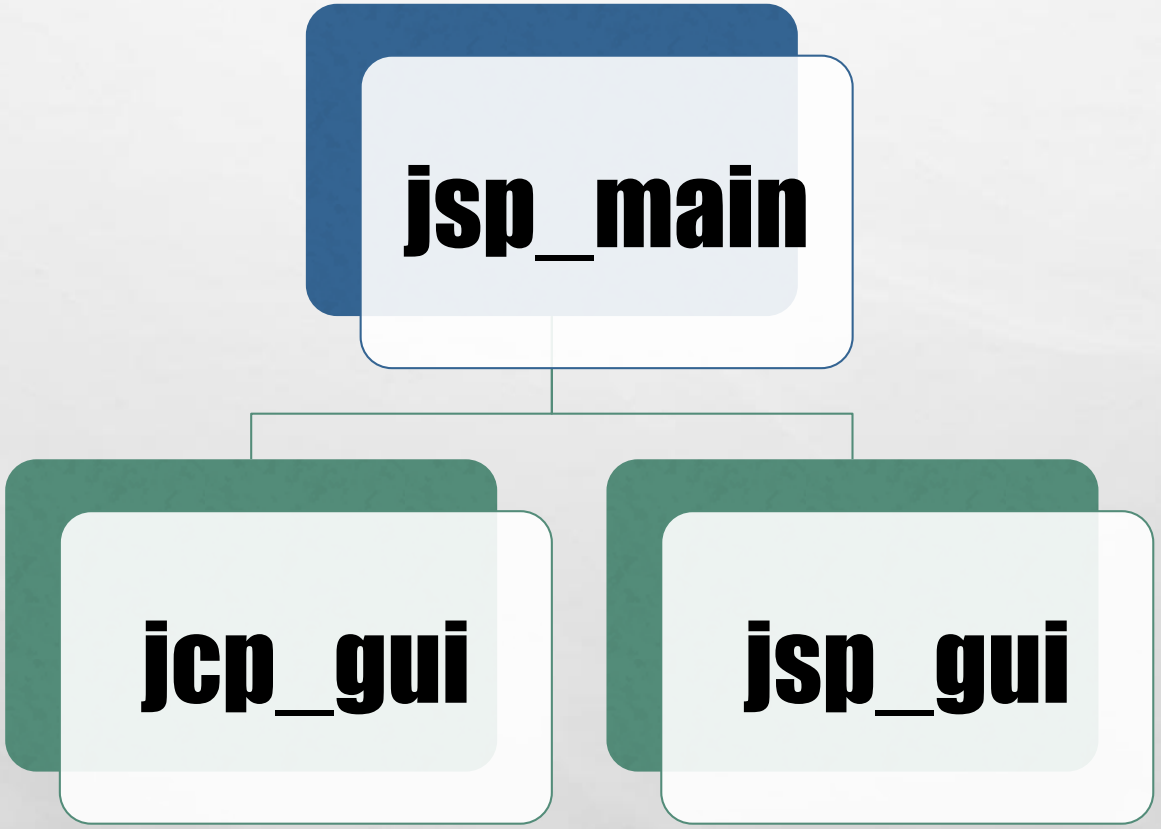
You should not have to view ads

Data should not be sold to third-parties

Search engines should try to limit misinformation

Search results should not be bought

CLASS DIAGRAM



USE CASE DIAGRAM

Search URLS

- Identify Keywords

Search Images

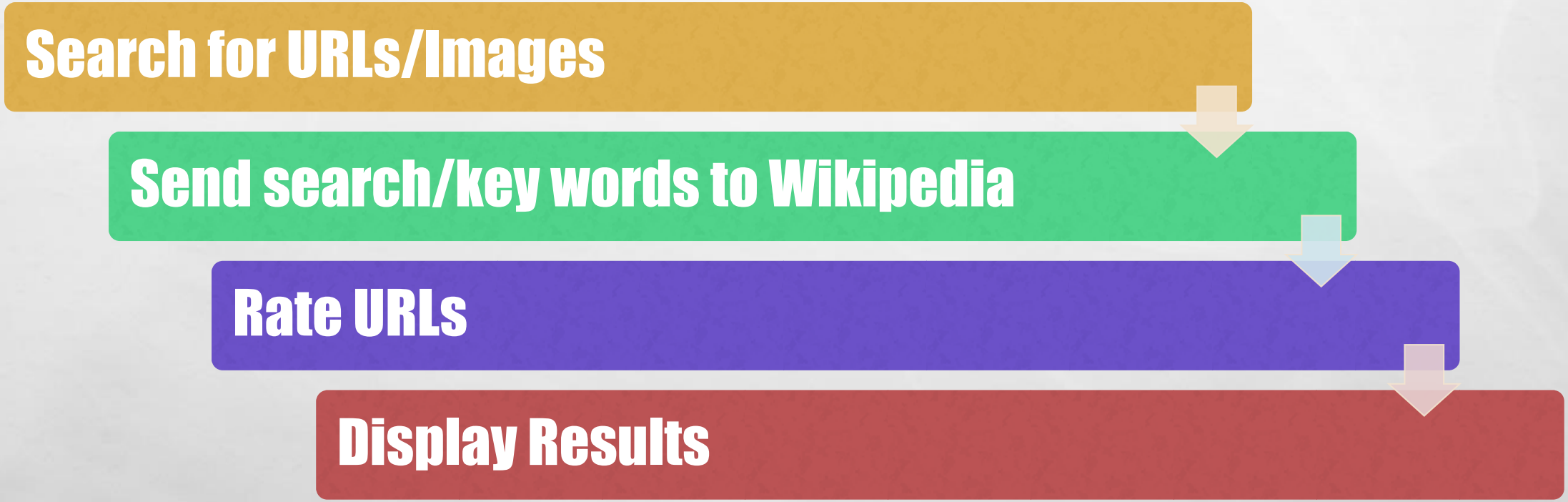
Send search to Wikipedia

Wikipedia Returns URLS

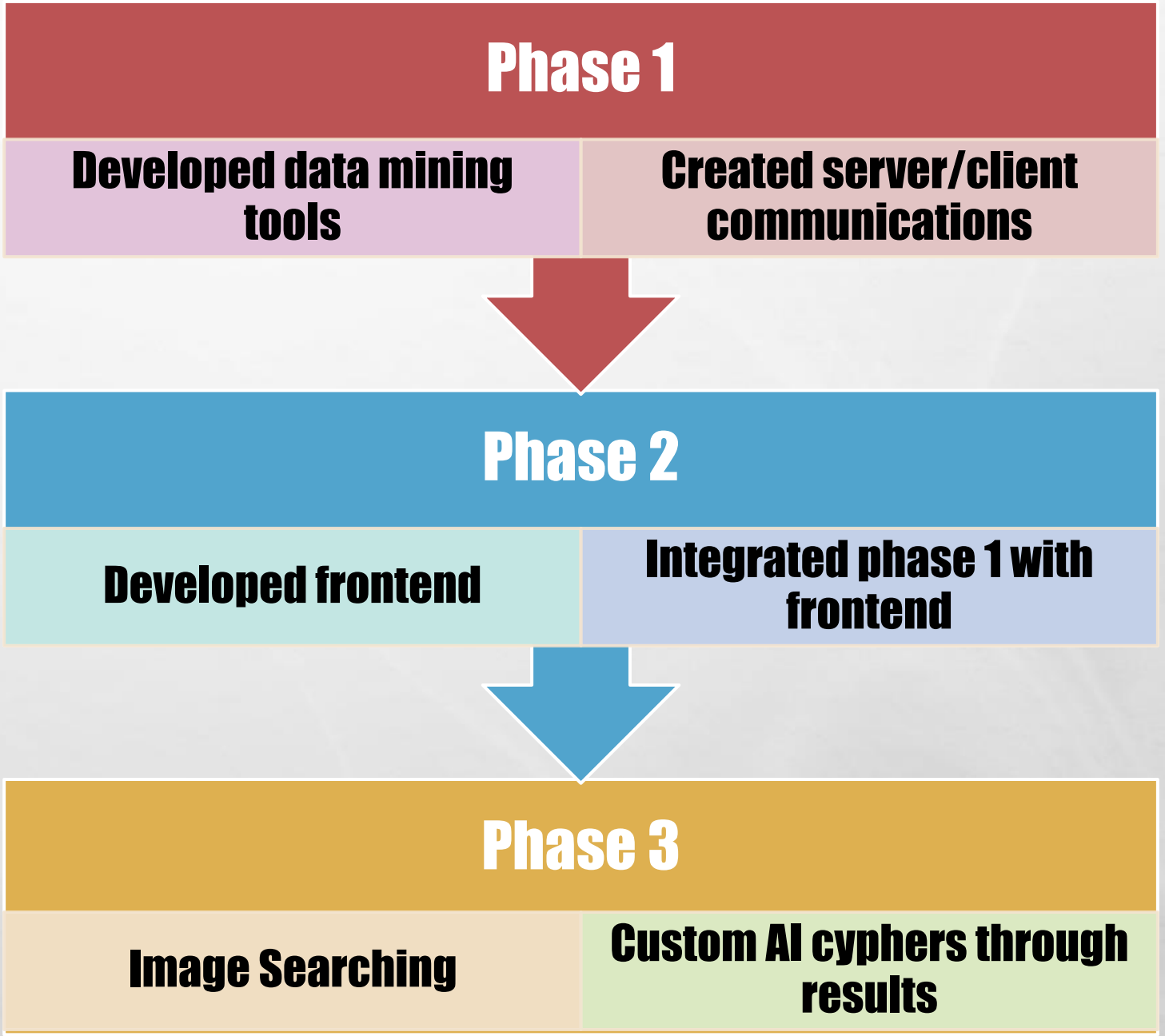
Rate URLS with Custom Algorithm

Display Results

SEQUENCE DIAGRAM



IMPLEMENTATION OVERVIEW



HOW DID YOU IMPLEMENT YOUR PROJECT?

Data Mining

Graphics User Interface

Natural language processing

ANY KEY TECHNIQUES?

- BeautifulSoup
- Xming
- Wikipedia API
- Windows Subsystem for Linux

WHAT DID WE ACCOMPLISH?

- A SEARCH ENGINE THAT:
  - DOES NOT SHOW ADS
  - DOES NOT ALLOW UNFAIR COMPETITION
  - ONLY SHOWS SFW CONTENT

WHAT DID WE NOT ACCOMPLISH?

ONE TOUCH INSTALLATION

ADDING OTHER REPUTABLE WEBSITES

ANY ISSUES?

404 – Not Found

Search Times

TEAM MEMBER CONTRIBUTIONS

Aaron	• Data Mining
Sarah	• Natural Language Processing
Anton	• Intelligent Agent Design
Jeremy	• User Interface

THANK YOU