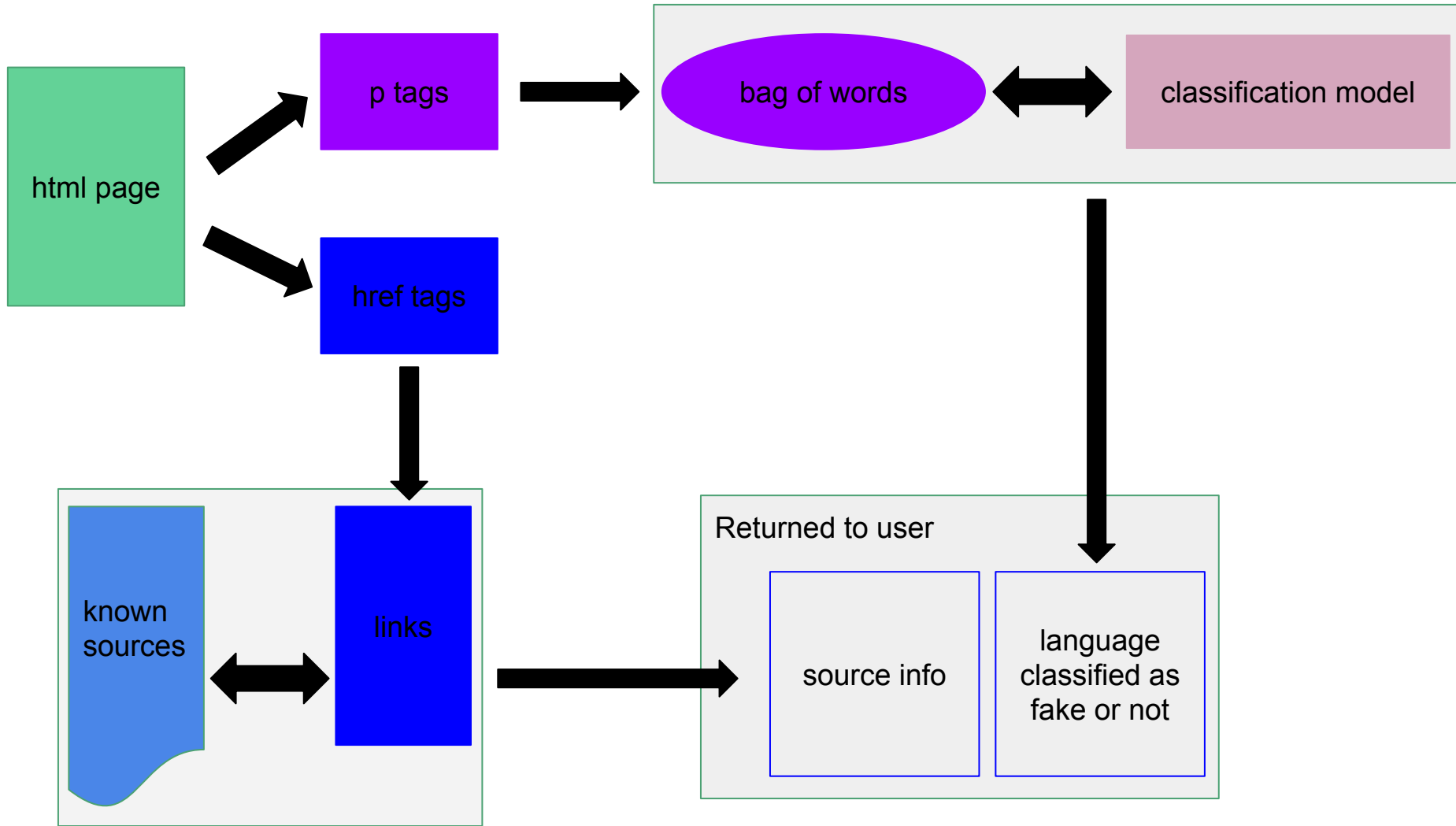# Devil's Advocates: Midterm

James Brothers, Julia Evans, Joseph Turner

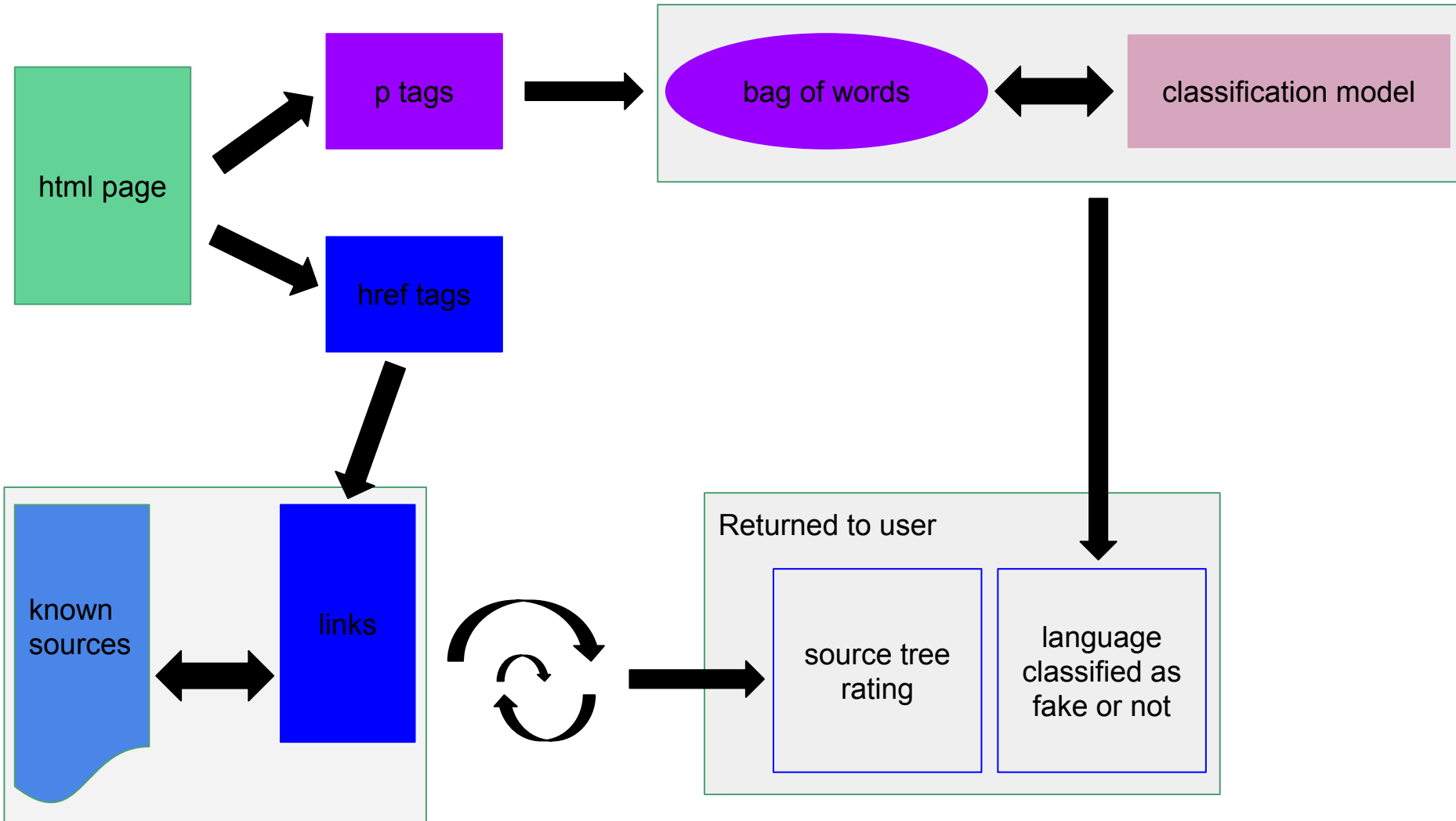# Road Map

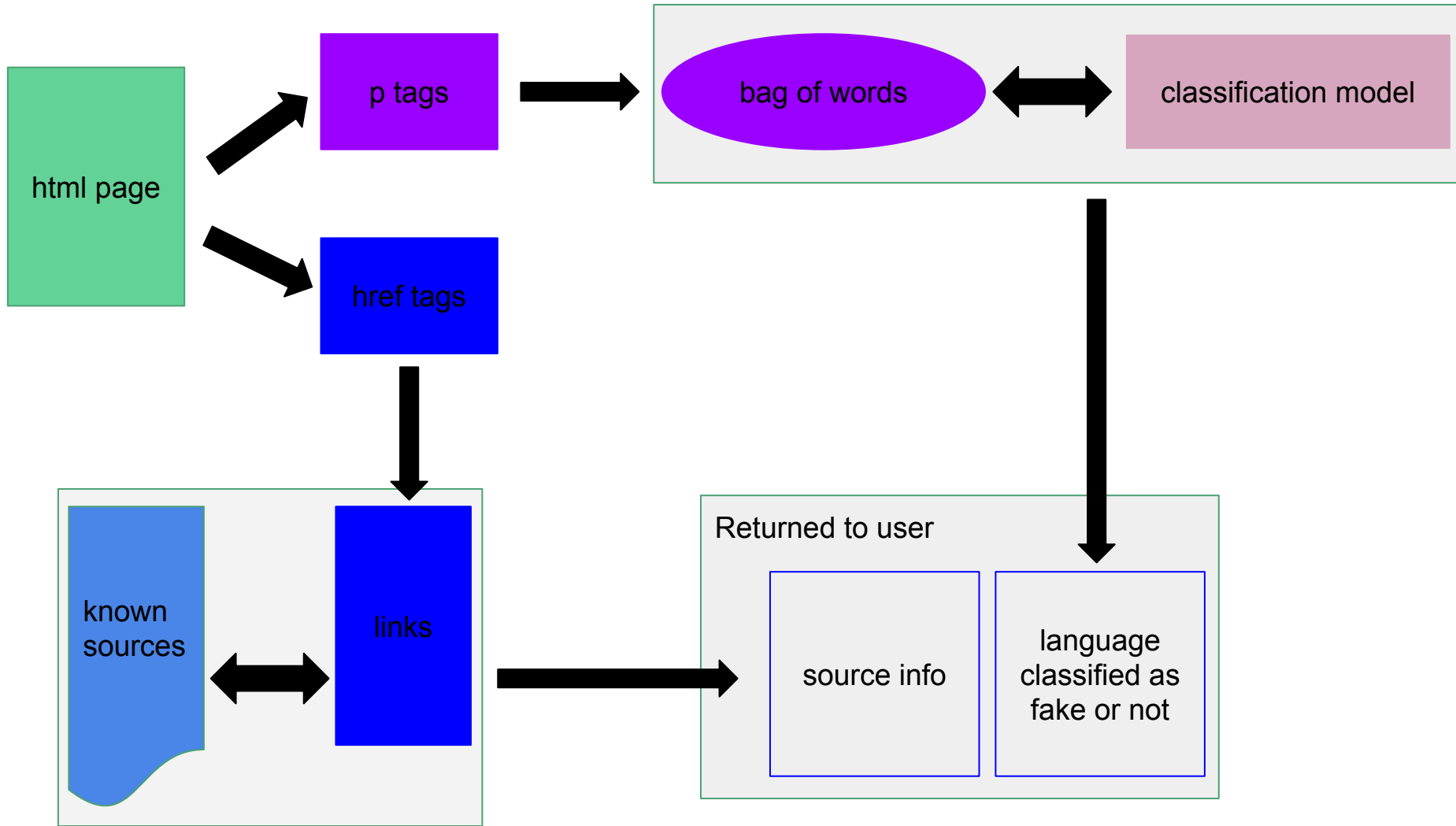- Where we are now

- What's next

- Plan of activities

```
html page  →  p tags  →  bag of words  ⟷  classification model

html page  →  href tags

href tags  →  links

known sources  ⟷  links

links  →  Returned to user

bag of words / classification model  →  Returned to user
```

p tags

bag of words

classification model

html page

href tags

known sources

links

Returned to user

source info

language classified as fake or not

Where we are now: Practicum 1

- Practicum 1
  - LinkTree

```
html page ──→ p tags ──→ ( bag of words ) ⟷ classification model

html page ──→ href tags

href tags ──→ links

known sources ⟷ links

links ──→ Returned to user
                source info | language classified as fake or not
```

html page

p tags

bag of words

classification model

href tags

known sources

links

Returned to user

source info

language classified as fake or not

Where are we now: Link Analysis

- LinkTree => LinkAnalyzer

What's next

- whoisit
- Analysis
  - LIWC and bag of words method
- R-Studio

What's next: whoisit

- Gives information about who owns a website

- Websites from certain owners and certain countries are suspicious

- For example (from our data) websites from Macedonia or Scottsdale Arizona are often Fake or Imposter news sites

What's next: Analysis Approach

Classification dictionary

Article	"Phrase 1"	"Phrase 2"	"Phrase 3"	...	...	Biased	Fake
name	count/wc	count/wc	count/wc			0 | 1	0 | 1
.	.	.	.	.	.	.	.
.	.						
.		.					
.			.				
.				.			

Plan of Activities

- Still on track with original plan
  - With a few tweaks to what we're doing
  - General case before integrating Facebook API
- 11/9 - 11/16: Practicum 2 (Julia)
  - Data Analysis and R-studio
- 11/20: Full functionality complete (EVERYONE)
  - Language analysis complete (Julia)
  - Source Tree (time permitting)
- 12/1
  - Final Presentation complete
- 12/5 - 12/7: Final Project Presentation
  - Refined functionality (James)
  - Refined user interface (Joseph)

Questions?