



SENTIMENT ANALYSIS

STEAM REVIEWS

NLP PROJECT SPRING 2016

INTRODUCTION

- What is sentiment analysis?
- Why Steam Reviews?

OUR GOAL

- Analyze a review
 - Extract phrases that express sentiments
 - Determine the polarity of those phrases
 - Correctly predict the sentiment of a review



Recommended

7.5 hrs on record

Posted: April 20

Oh man, rocket league! this game is pure awesomeness!

I love this game to death man, its a really good game. Awesome cars, good maps, the customization is good too, graphics is really nice too.

Runs good on old pc's too, which is really great. Everyone can play!

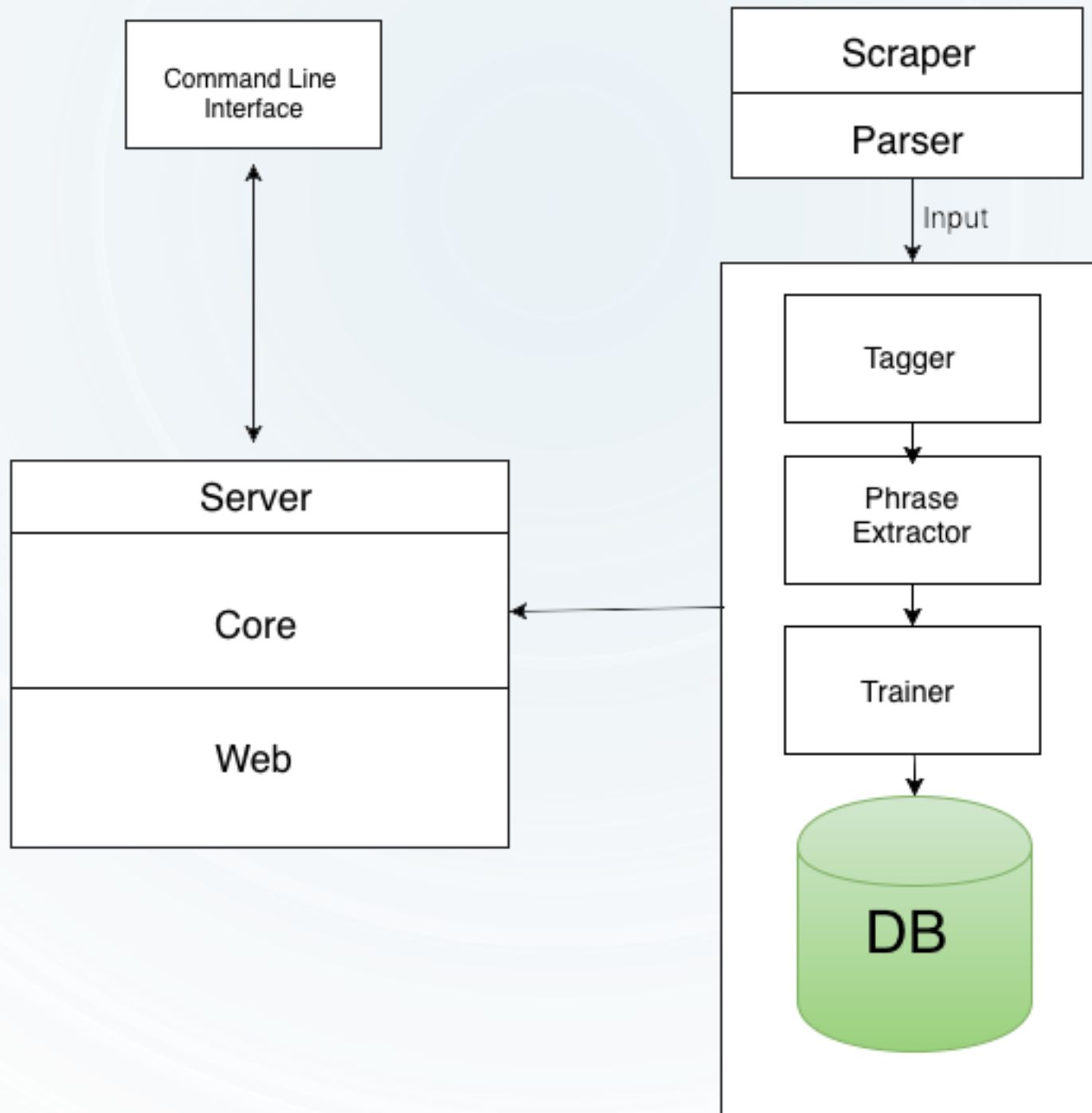
I played this on my laptop and it runs good.

The gameplay is really fun and unique, fast paced and takes time to master! I can recommend you playing this with a controller since its really good optimized for a controller.

I easily give this game a 10/10! Go and buy <3

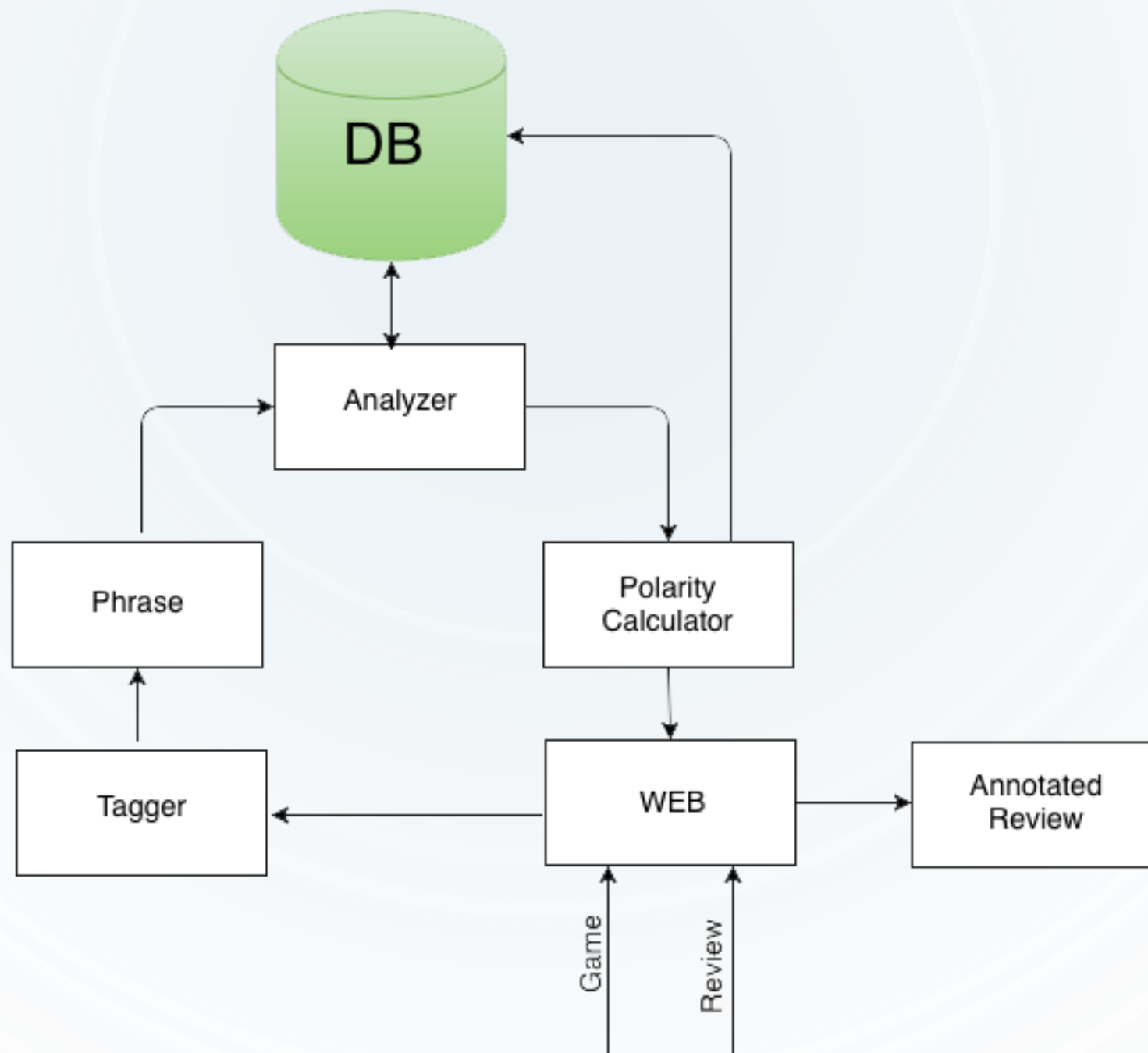
HOW WE DO IT

- Training
 - Scrape Steam's website
 - Parse scraped data
 - Tag the review bodies with a POS tagger
 - Extract phrasal lexicons
 - Save the phrases to the database



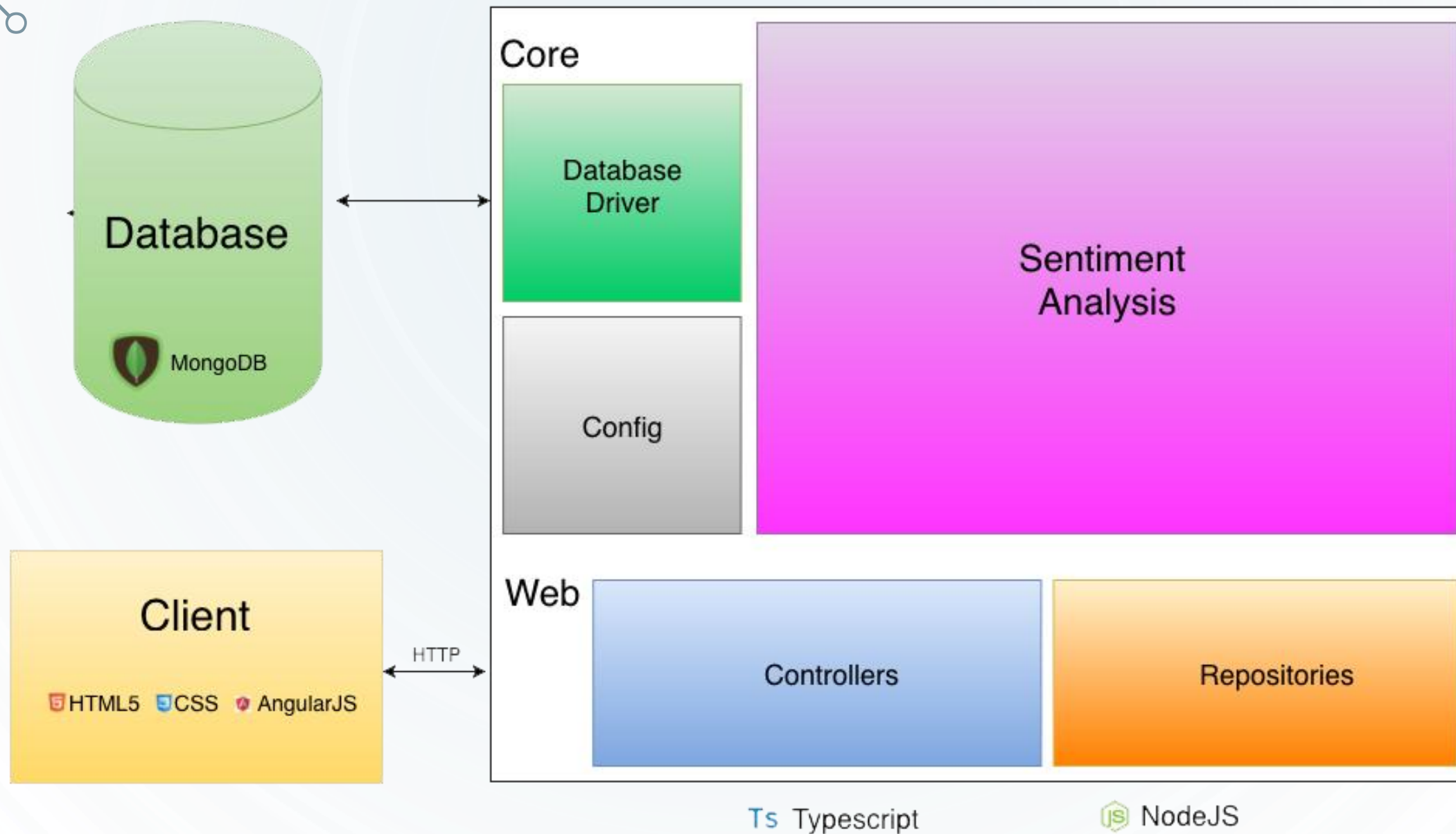
HOW WE DO IT

- Testing
 - Choose game to test on
 - Use training data from every other game
 - Use the counts of relevant phrases to compute polarity
 - Compute average polarity of a review
 - Predict if review is a recommendation



IMPLEMENTATION

- Web Application
 - Asynchronous
 - Decoupled
 - Performant
 - Scalable



The image features a dark blue background with a subtle gradient. In the corners, there are decorative white line art elements resembling circuit boards or neural networks, with lines and small circles. The text is centered in a white, serif font.

ENOUGH PRESENTING
MORE DEMOING