



SENTIMENT ANALYSIS

STEAM REVIEWS

NLP PROJECT SPRING 2016

INTRODUCTION

- What is sentiment analysis?
 - Process of computationally identifying opinions expressed in a piece of text and predicting if the attitude of a writer towards a particular topic/product is positive or negative.

INTRODUCTION

- Why Steam Reviews?
 - Large user base
 - Diverse lexicons

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OUR GOAL

- Analyze a review
 - Extract segments that express sentiments
 - Determine the attitude of those segments
 - 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.

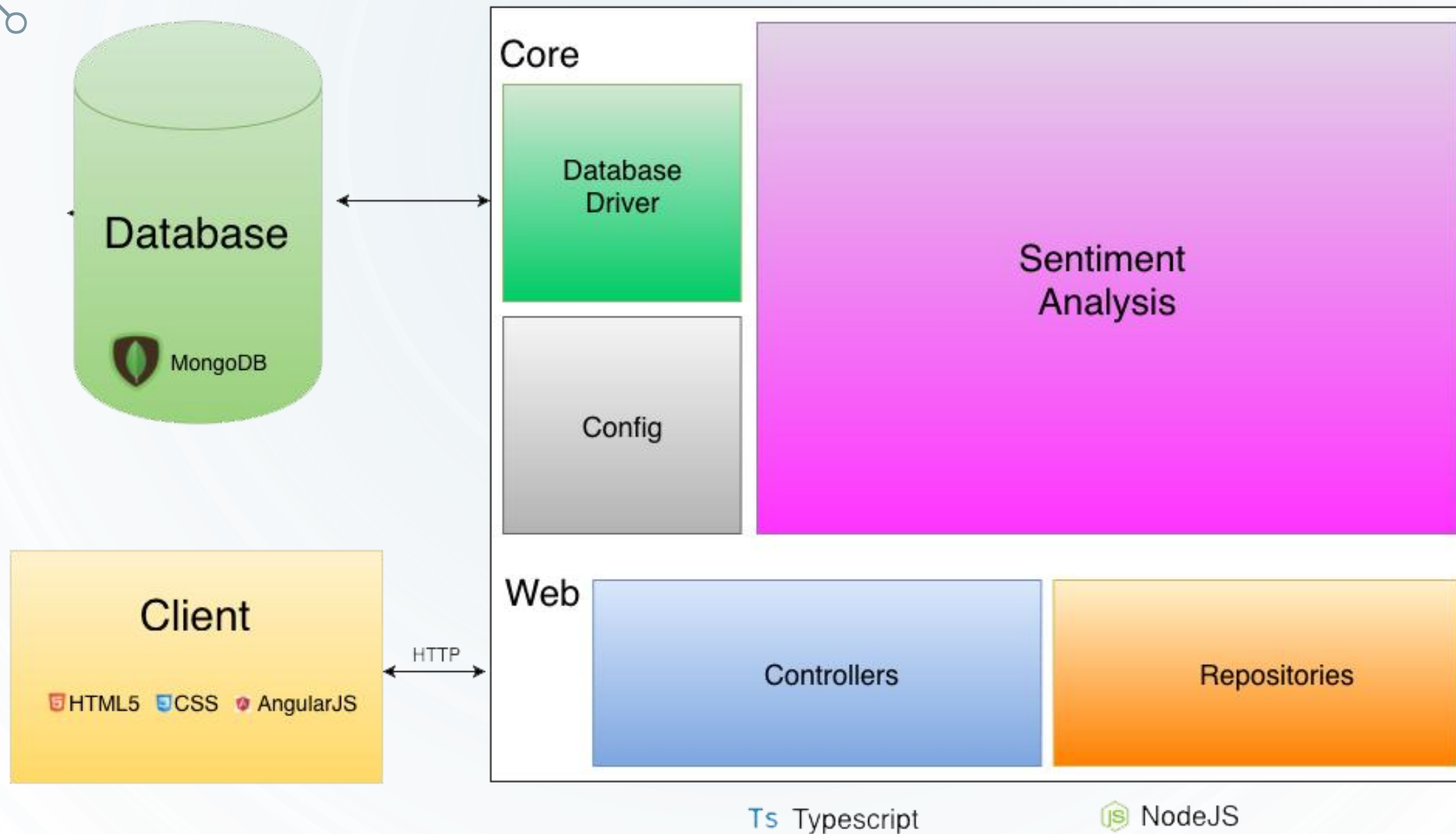
The gameplay is really fun and unique, fast paced and takes time to master! I can recommend you playing this with a controller since its really good optimized for a controller.

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

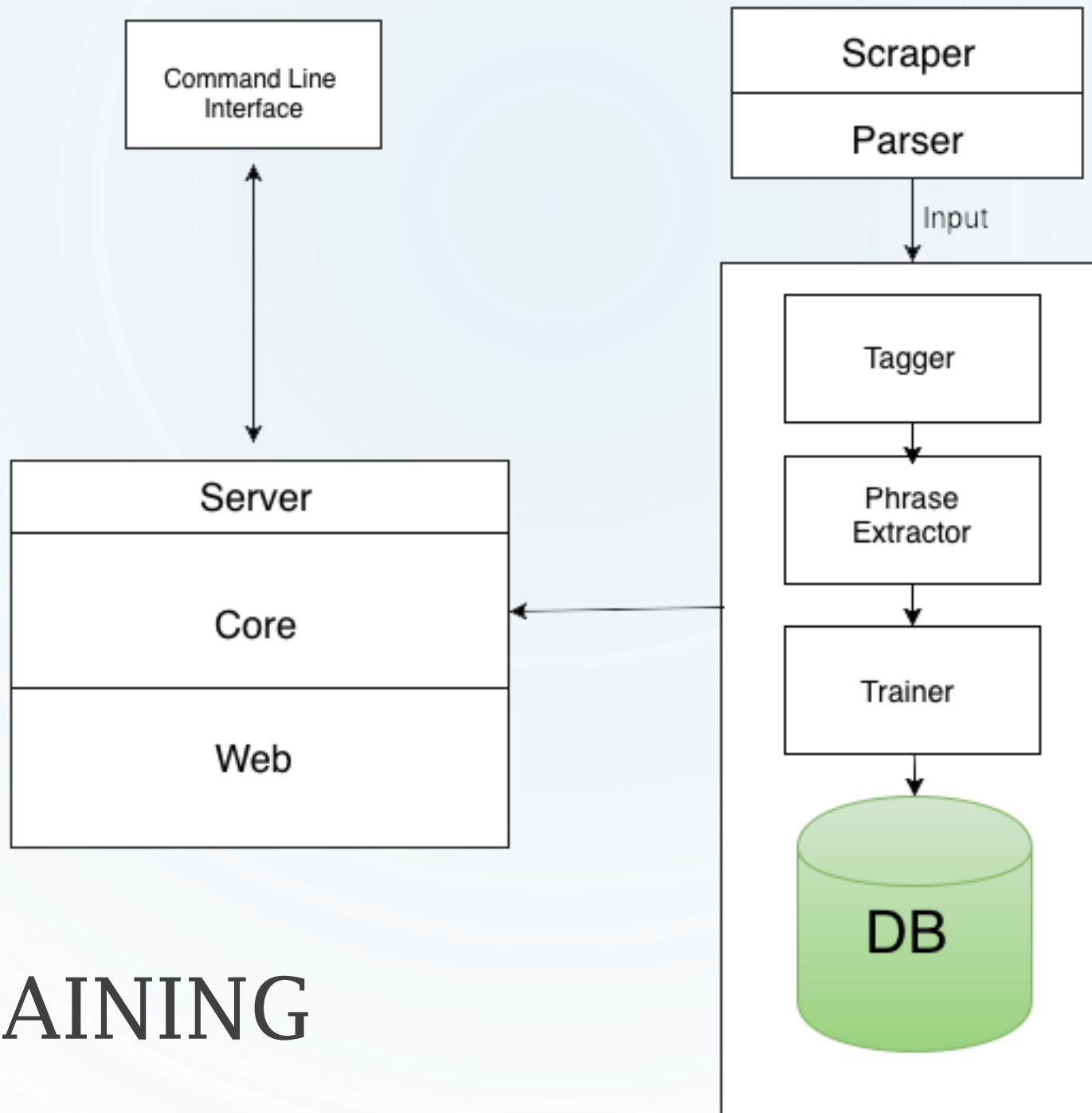


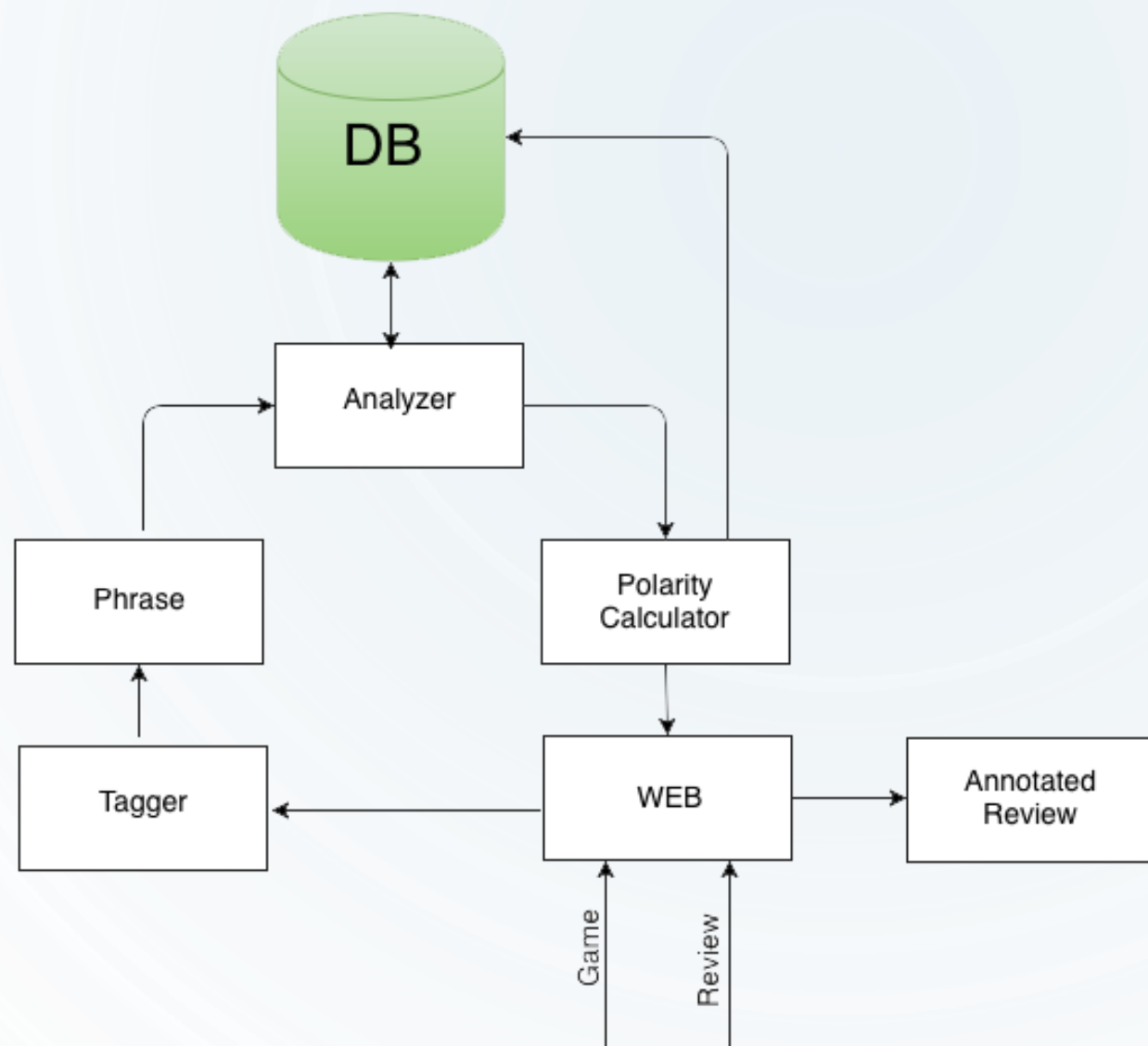
HOW WE DO IT

- Train
 - Test
 - Evaluate
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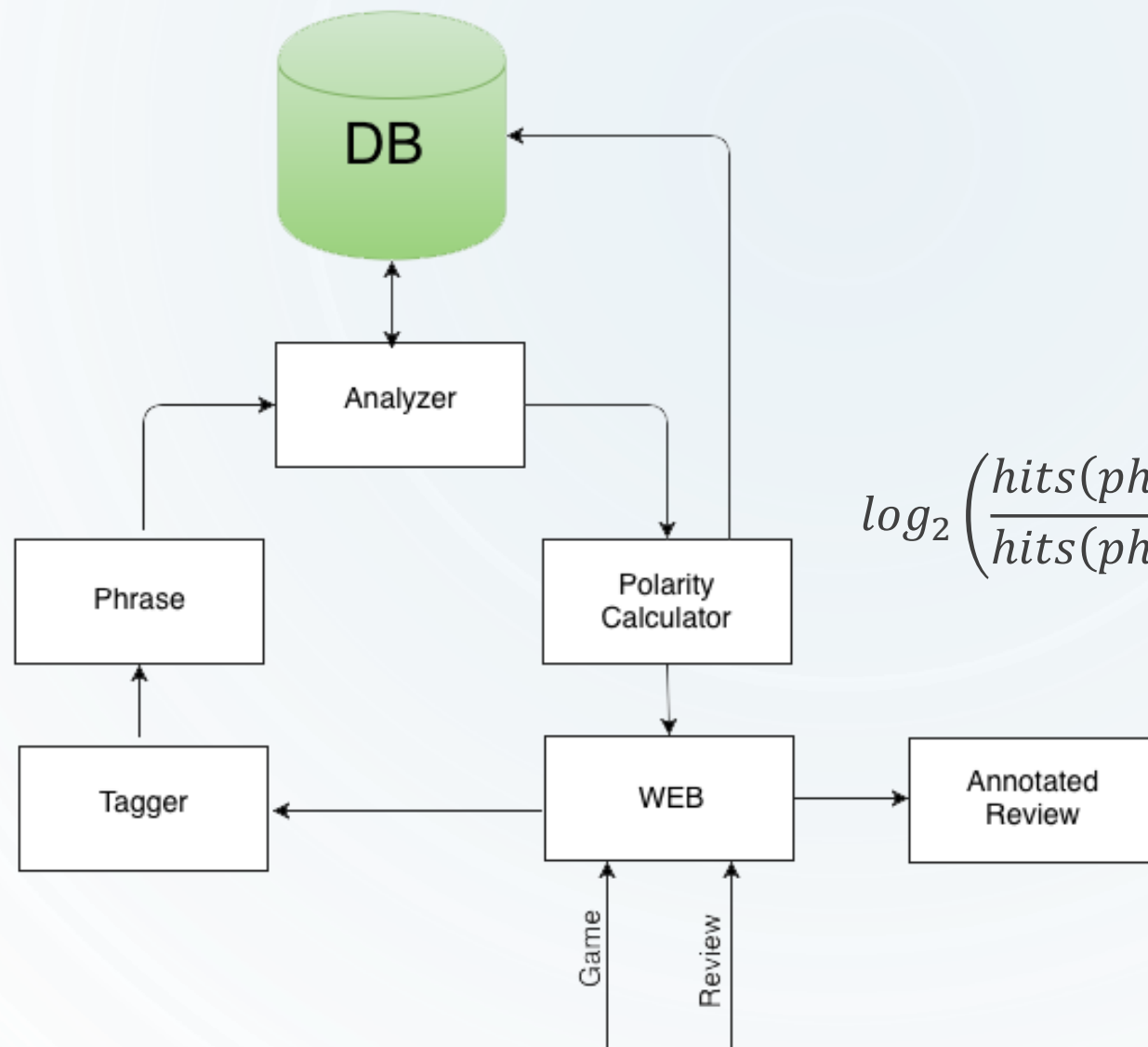


TRAINING





TESTING



$Polarity(phrase) =$

$$\log_2 \left(\frac{hits(phrase \text{ IN } positive) * count(negative)}{hits(phrase \text{ IN } negative) * count(positive)} \right)$$

TESTING

The image features a dark blue background with a subtle radial gradient. In the four corners, there are decorative white line art elements resembling circuit traces or neural network connections, with small circles at the end of the lines. The text is centered in a white, serif, all-caps font.

ENOUGH PRESENTING
MORE DEMOING