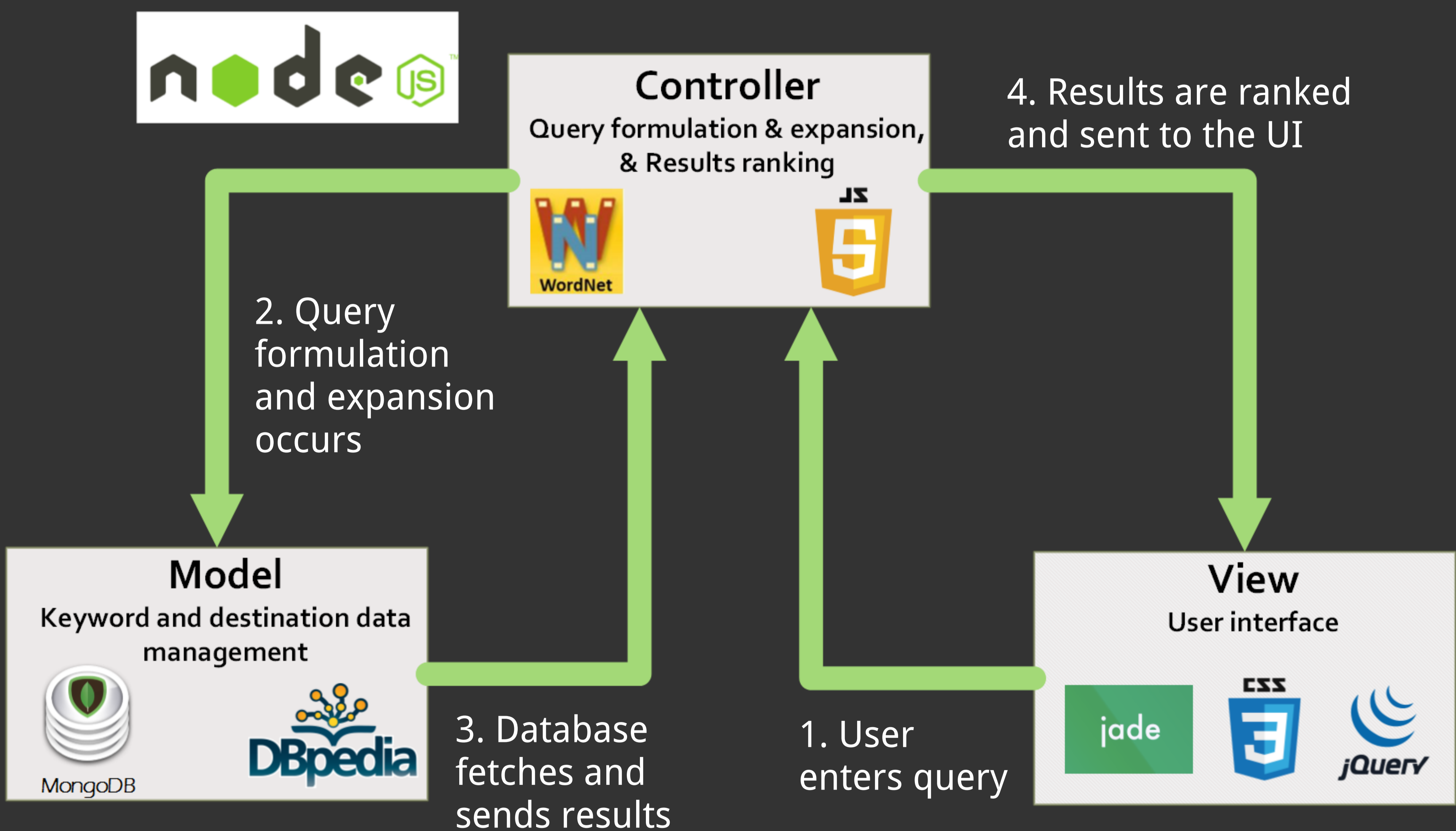# TRAVEL SEARCH:

AN EXPLORATORY SEARCH SYSTEM

Problem Description

Modern flight websites are good at catering for users who know where they would like to go. However, users often want to travel to holiday destinations without a clear idea of where exactly they want to go. Currently there is not a flight search service that targets these users specifically. Thus, these users do not receive optimal search results.

Solution

Controller
Query formulation & expansion, & Results ranking
WordNet

4. Results are ranked and sent to the UI

2. Query formulation and expansion occurs

Model
Keyword and destination data management
MongoDB
DBpedia

3. Database fetches and sends results

1. User enters query

View
User interface
jade
CSS
jQuery

Outcomes

▸ Demonstrated that it is possible to build an effective exploratory search system
▸ A user friendly interface which allows for intuitive exploratory searching
▸ The query formulation and expansion of searched keyword phrases
▸ A data management system that relates keywords to destinations and flights

Department of Computer Science
University of Cape Town
Private Box x3
South Africa
Tel: +27 21 650 2663
Fax: +27 21 650 3551

TEAM MEMBERS:

Luqmaan Salie (luqmaansalie@gmail.com)
Dylan Henderson (dylan9h@gmail.com)
Ngoni Choga (nickchoga@gmail.com)
Shuaib Parker (parkershuaib@gmail.com)

SUPERVISOR:
Dr Maria Keet

SECOND READER:
Prof. Patrick Marais