Use case documentation for news sentiment system

1. Use case model
2. Flow description
   1. User browse news statistics
   2. User Search
   3. User select news by category
   4. User browse news abstract
   5. User select sentiment / tags / topics from the news
3. Use case model

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| --- | --- |
| User ---- Select browsing statistics on sentiment/topic/tags/category/news |  |
| User ---- Search article based on criteria | Extends Read News abstract list |
| User ---- Read News abstract list, | Extends Read Article |

1. Flow description
   1. User browse news statistics

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| Steps | Flow |
| User obtain the news statistics | |  |  | | --- | --- | | Webpage ----🡪 /news endpoint  Webpage ----🡪 /category endpoint  Webpage ----🡪 /sentiment endpoint  Webpage ----🡪 /topic endpoint  Webpage ----🡪 /tag endpoint | Webpage request get sentiment statistics | | Webpage 🡸---- endpoint | Return statistics table | |
| User navigate the news statistics | |  |  | | --- | --- | | Webpage ----🡪 /news endpoint  Webpage ----🡪 /category/<date>/<category name> endpoint  Webpage ----🡪 /sentiment /<date>/<sentiment name> endpoint  Webpage ----🡪 /topic/<date>/<topic name> endpoint  Webpage ----🡪 /tag /<date>/<tag name> endpoint | Drill down / roll up navigation to browse corresponding statistics | | Webpage 🡸---- endpoint | Return the aggregation data, display as table | |
| User select the news\_count fields | |  |  | | --- | --- | | Webpage ----🡪 /status endpoint | Webpage loops getting status information in the /status endpoint | | Webpage 🡸---- /status endpoint | Return current status , showing finish waiting | |

* 1. User search

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| Steps | Flow |
| User enter the criteria on the search panel |  |
| User submit search request | |  |  | | --- | --- | | Webpage ----🡪 /search endpoint | Criteria submission | | Webpage 🡸---- /search endpoint | Return current status , whether it is waiting of finish waiting | |
| User navigate the search result (news abstract) |  |

* 1. User browse news by category

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| Steps | Flow |
| User select the category on the right panel | |  |  | | --- | --- | | Webpage ----🡪 /category/---/XXXXX | Webpage request get session token operation | |
| The server returned the news abstract | |  |  | | --- | --- | | Webpage 🡸---- /category/---/XXX endpoint |  | |
| User navigate the news abstract list |  |

* 1. User browse news abstract

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| Steps | Flow |
| User browse news abstract from news search or drill down to specific data | |  |  | | --- | --- | | Webpage ----🡪 /search? endpoint | Webpage request get news result | | Webpage 🡸---- /search? endpoint |  | |
| User selects article | |  |  | | --- | --- | | Webpage ----🡪 /news/<category>/<uuid> endpoint |  | | Webpage 🡸---- /news/<category>/<uuid> endpoint | Return news | |

* 1. User select sentiment / tags / topics from the news article

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| Steps | Flow |
| User selects category / sentiment/ tags/ topics from the news article |  |
| Return the news abstract list from the criteria | |  |  | | --- | --- | | Webpage ----🡪 /search? endpoint | Pass the search criteria as search | | Webpage 🡸---- /search? endpoint | Return the search result | |