**INTRODUCTION**

**Overview**

The **news** is **important** because it informs our view of the world, and in response we take action and make choices based on how we perceive the world to be. **News** has grown to take on more forms than ever.

[News](http://clearlyexplained.com/news/index.html) is important for a number of reasons within a [society](http://clearlyexplained.com/society/index.html). Mainly to inform the public about events that are around them and may affect them.

Often news is for entertainment purposes too; to provide a distraction of information about other places people are unable to get to or have little influence over. News can make people feel connected too.

News is important as a social gathering space too, hence newspapers either online or physical place an emphasis on news. Where there are a lot of people gathered there is opportunity to advertise. This advertising sometimes can cause a conflict of interest in the way news is reported.

The web is home to massive amounts of data, with more being created every day. Organizations can harness this constant stream of information to gain understanding, plan strategies, and find opportunities. Enriched news data can help your application make dynamic connections across current events faster.

**PURPOSE**

This app allows the user to search for any news at any time. The Watson discovery service used has an inbuilt collection of news in various topics which brings news to the doorstep in a jiffy.

**LITERATURE SURVEY**

**EXISTING PROBLEM**

Searching for a news can be really difficult. Opening a search engine then a website and then type the news or opening a news website and scrolling for your news. This seems too hard working and tiring. Thus we need an app that can search any news from any time with just keywords.

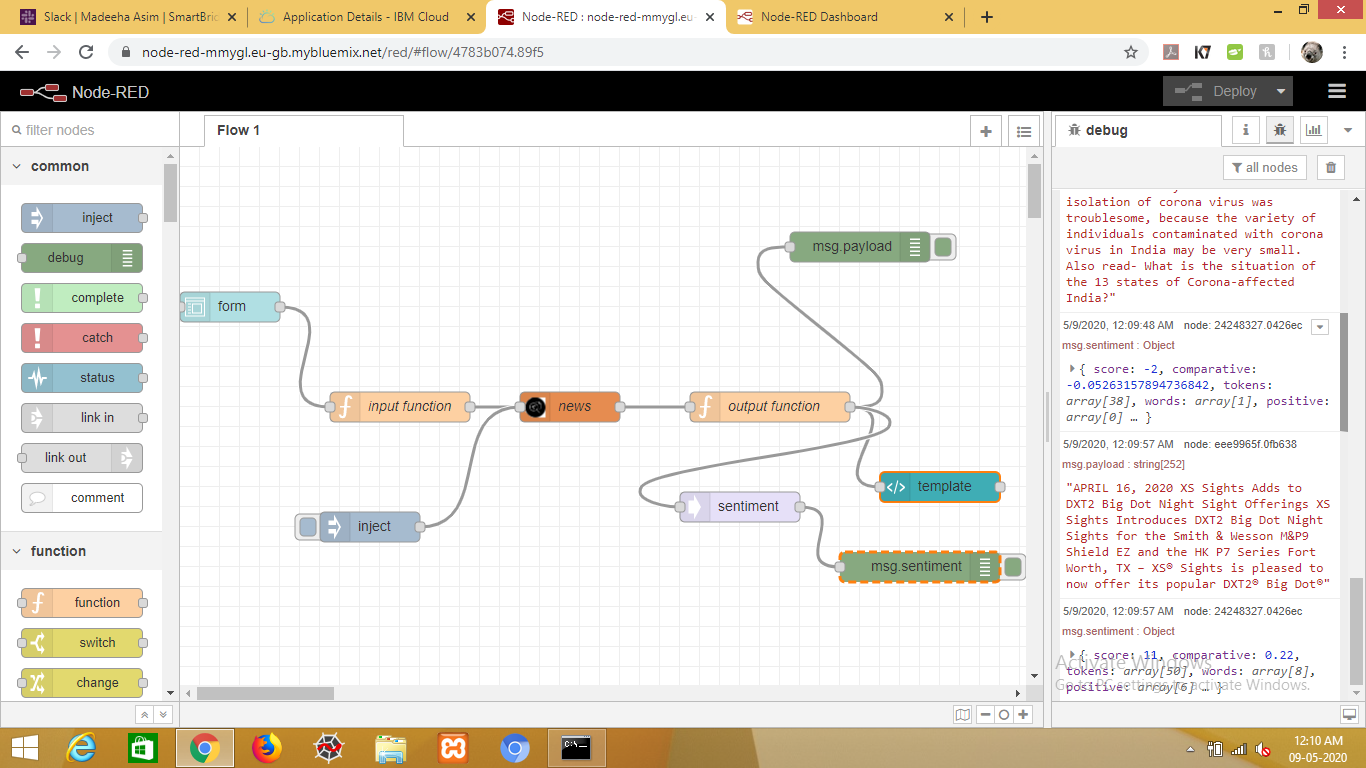
**PROPOSED SOLUTION**

This code pattern shows you how to tap into massive data sets to mine insight. The app demonstrates two use cases using Watson Discovery News:

* Search: Query for the most relevant new articles about a specific topic or subject. Because the news collection is pre-enriched with natural language processing, you can query not just on keywords or categories but also on concepts, sentiment, and relations to get richer search responses.
* Trending topics in the news: Identify popular topics over the past 24 hours. Topics can be general or specific to an industry or category.

**THEORITICAL ANALYSIS**

**BLOCK DIAGRAM**



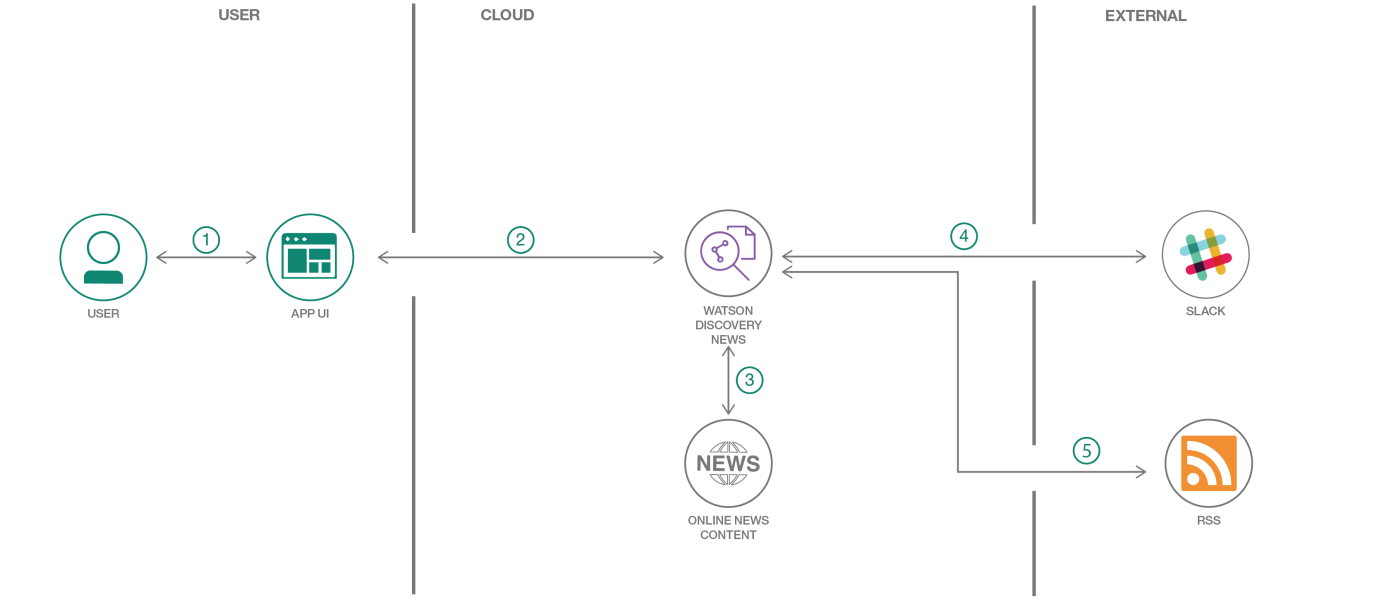
**SOFTWARE**:

* Code is written in Node.js, with the server-side using the Express framework and the client using ReactJS.
* The pre-built Watson Discovery News collection was used.
* Access the Watson Discovery Service through the Discovery API.
* Use a Slack interface to query the data

**EXPERIMENTAL INVESTIGATIONS**

Initially the node red cloudant was created. Different nodes were investogated in the flow editor. Experiment in sentiment analysis was done. The UI was checked. The output was checked for various inputs. Watson discovery service was integrated and run in the local machine.

**FLOWCHART**

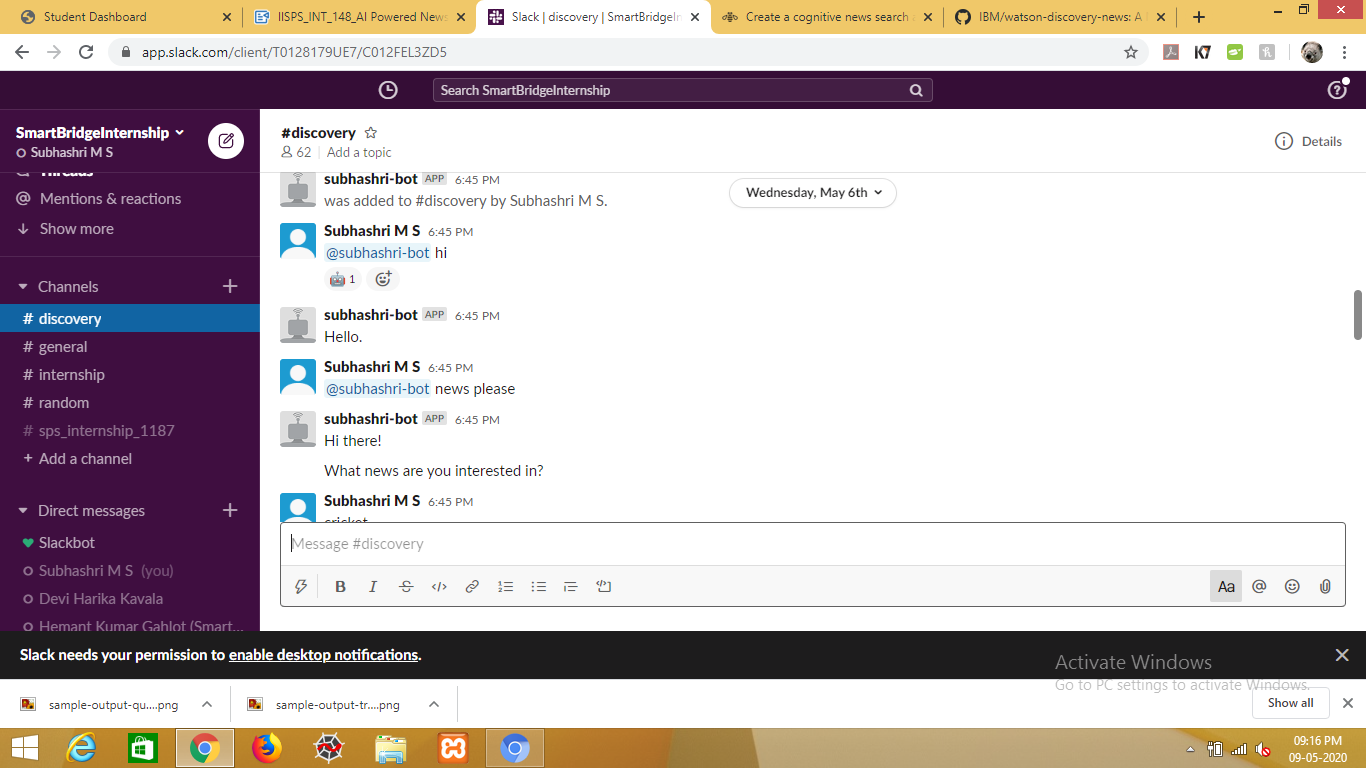
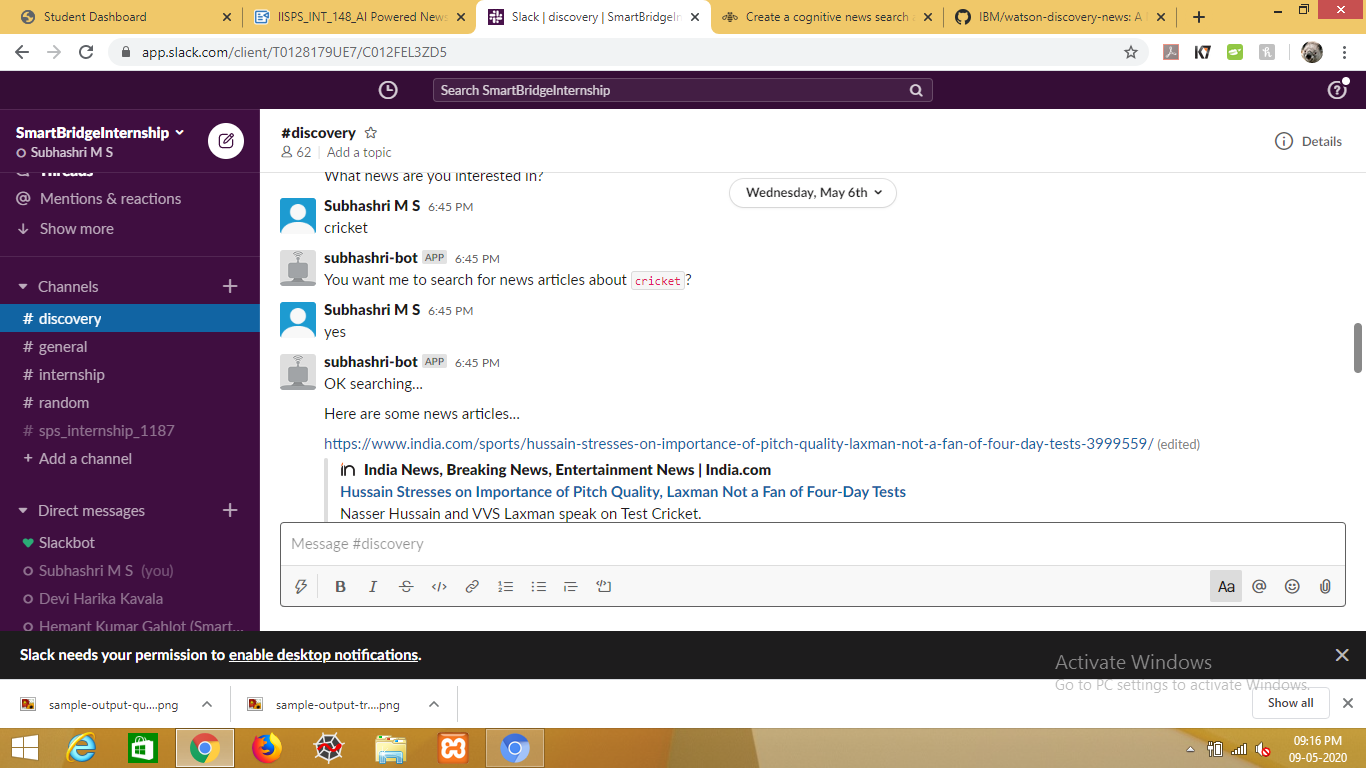


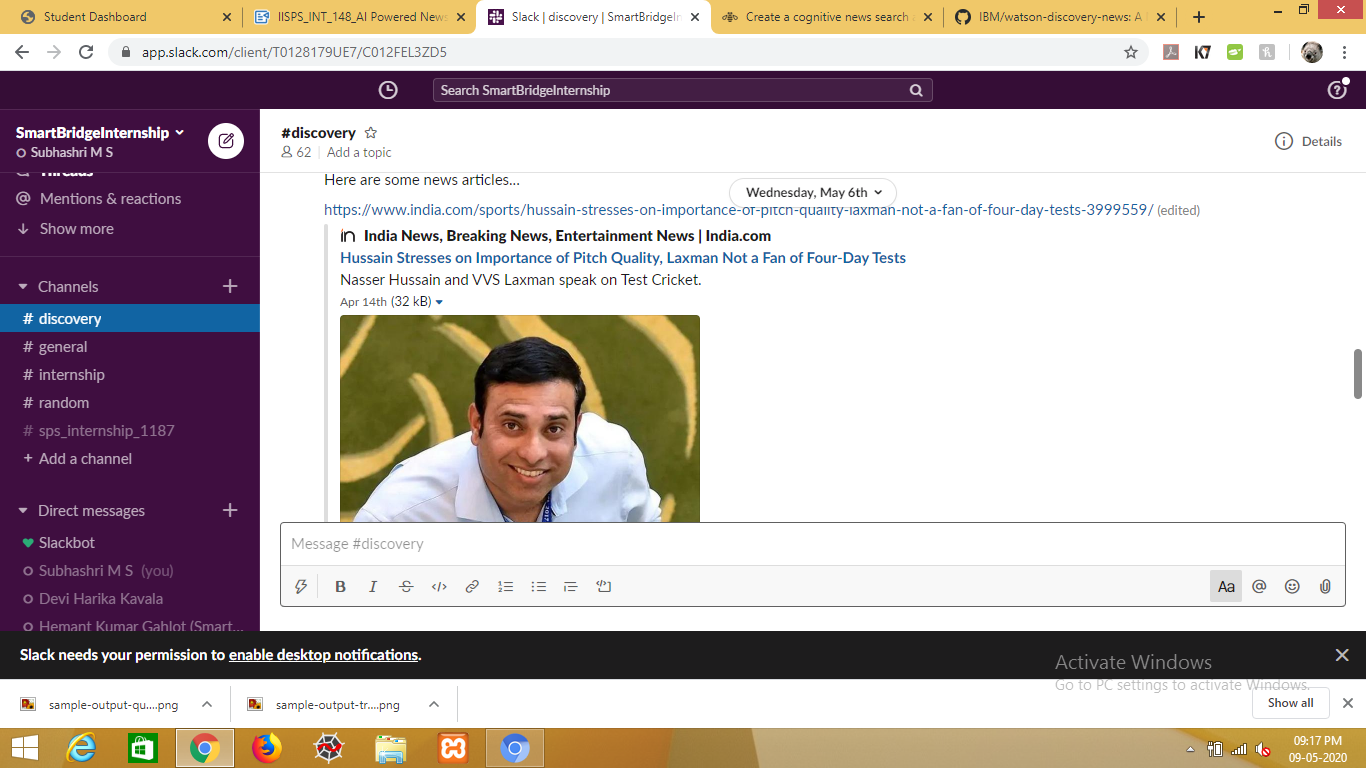
1. The user interacts with the app UI to request relevant news content.

2. The app sends user requests to Watson Discovery News.

3. The Watson Discovery Service is continually crawling the web to update its Discovery News collection.

4. The Watson Discovery Service responds to Slack search requests.

**RESULT**



**UI LINK:**<https://node-red-mmygl.eu-gb.mybluemix.net/ui/#!/0?socketid=8k2btcAw8IvvIK5qAAAE>

**ADVANTAGES**

* The user is can search for any news.
* Easy to use.
* Easy to run.
* Provides sentiment analysis
* Can be run on a loal machine

**DISADVANTAGES**

* It requires an active internet connection.
* Can provide very old new in some instances.

**APPLICATIONS**

* Search any news with just keywords
* Provides sentiment analysis which allows to distinguish positive and negative news

**CONCLUSION AND FUTURE SCOPE**

After processing through all phases of the system development life cycle, the portal is developed. In future it will be hosted on the internet server which will be accessed by all people in the world and can view the site and learn as much as news and information about the world. Also in future we can add more features to support it to common social media like facebook,instagram and so on.

**SOURCE CODE**

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