

LiWire

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What is LiWire ?

LiWire is an android application developed to give latest trends and updates around the world.

Li  Live

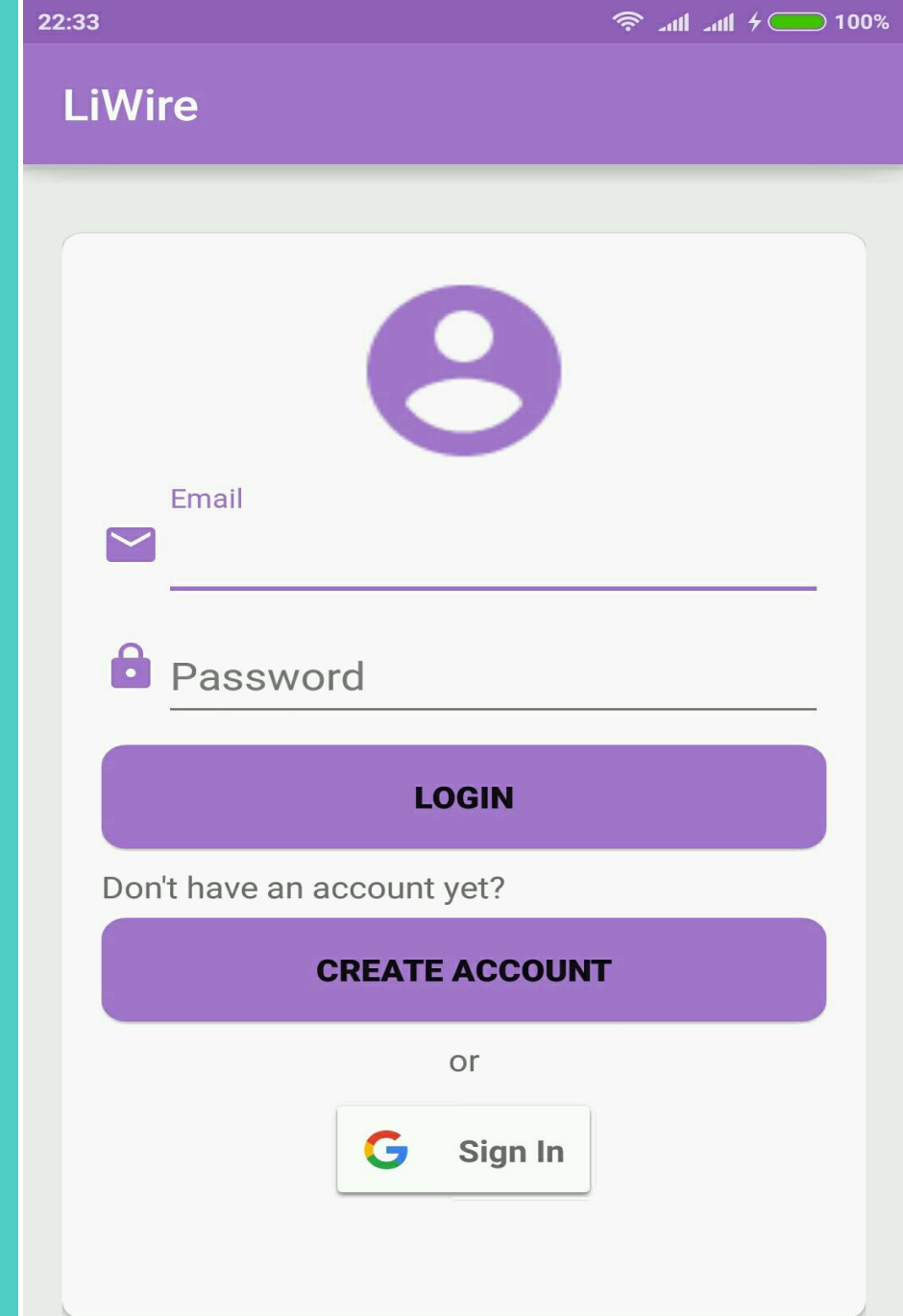
Wire  Stream

Streams Included

- News stories from different categories around the world like politics, business, entertainment, sports etc.
- Weather report that gives the present temperature, weather conditions in any location.
- Trending topics from twitter

Phase - 1

- Created user profile with sign up page and login page for user.
- Used online database www.hostinger.in to store the details of a particular user.





Email



Username



Phone



Password

REGISTER

Here is the screenshot of signup page. Email , username ,phone and encrypted password form a relational schema in the mysql database table created.

Phase – 2 Weather Report

- ▣ We used Yahoo Weather API to get the weather conditions in a location.
- ▣ Using YQL query , json response was obtained from which required data is extracted.
- ▣ Using GoogleMaps Geocoding Service , gps is enabled to automatically detect temperature from current location.
- ▣ Manual location is also enabled to know the weather conditions of different areas. Here are screenshots of current location and manual location (Los Angeles).

Responses

☒ JSON ☐ XML

YQL Query 

[YQL Console](#)

```
select * from weather.forecast where woeid in (select woeid from geo.places(1) v
```

Test

Response

```
lat : 04.499474 ,  
"long": "-165.405792",  
"link":  
"http://us.rd.yahoo.com/dailynews/rss/weather/Country__Country/*https://  
/weather.yahoo.com/country/state/city-2460286/",  
"pubDate": "Wed, 03 May 2017 03:00 AM AKDT",  
"condition": {  
  "code": "31",  
  "date": "Wed, 03 May 2017 03:00 AM AKDT",  
  "temp": "28",  
  "text": "Clear"  
}
```

Endpoint

```
https://query.yahooapis.com/v1/public/yql?q=select%20*%20from%20weather.for
```



Weather Report



28°C

Mostly Clear

Rudraram, Telangana



Settings

Enable Geolocation

Automatically obtain weather information based on my current location



Manual Location

Los Angeles

Temperature Unit

°C



Weather Report



24°C

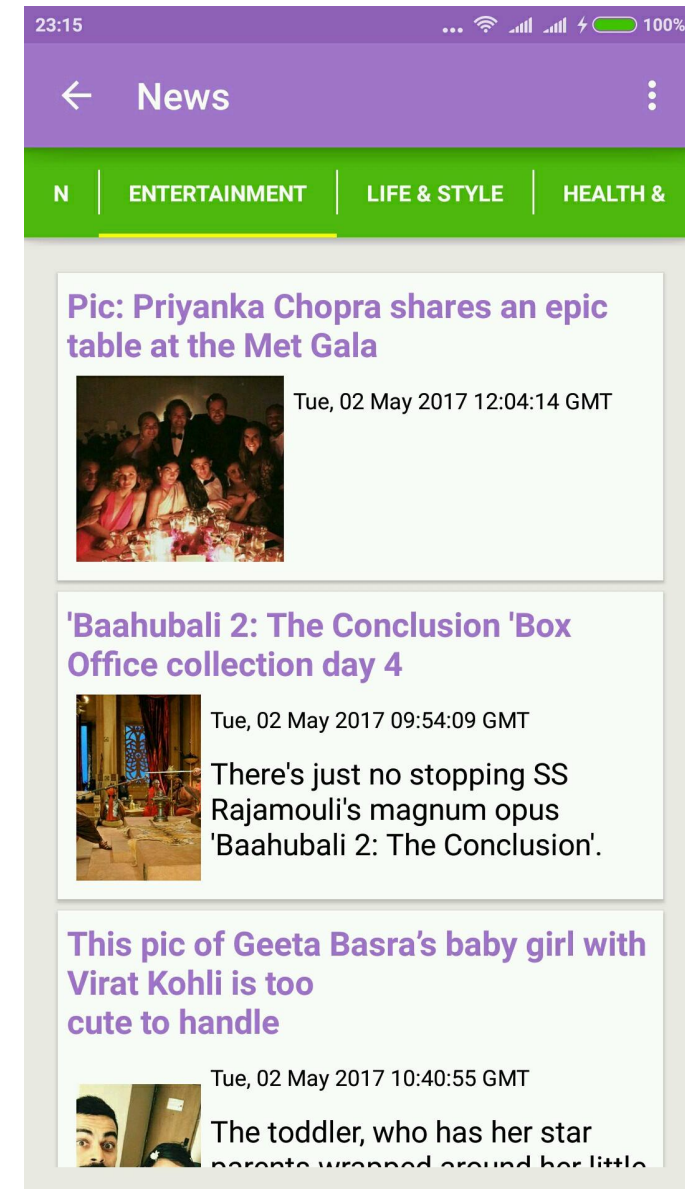
Sunny

Los Angeles, CA



Phase -3 NEWS STORIES

News feeds are collected from RSS Feeds of different news channels like NDTV, CNN, TOI . The RSS Feeds were in the xml format as shown below with each item having a title (headline), link to the complete news story, pubdate, category, link to images and short description. These are parsed using xmlpullparserfactory and the details are extracted.



Intelligent News feed



- ▣ Uses GPS data to give us regional news.
- ▣ Yahoo weather service api gives GPS.

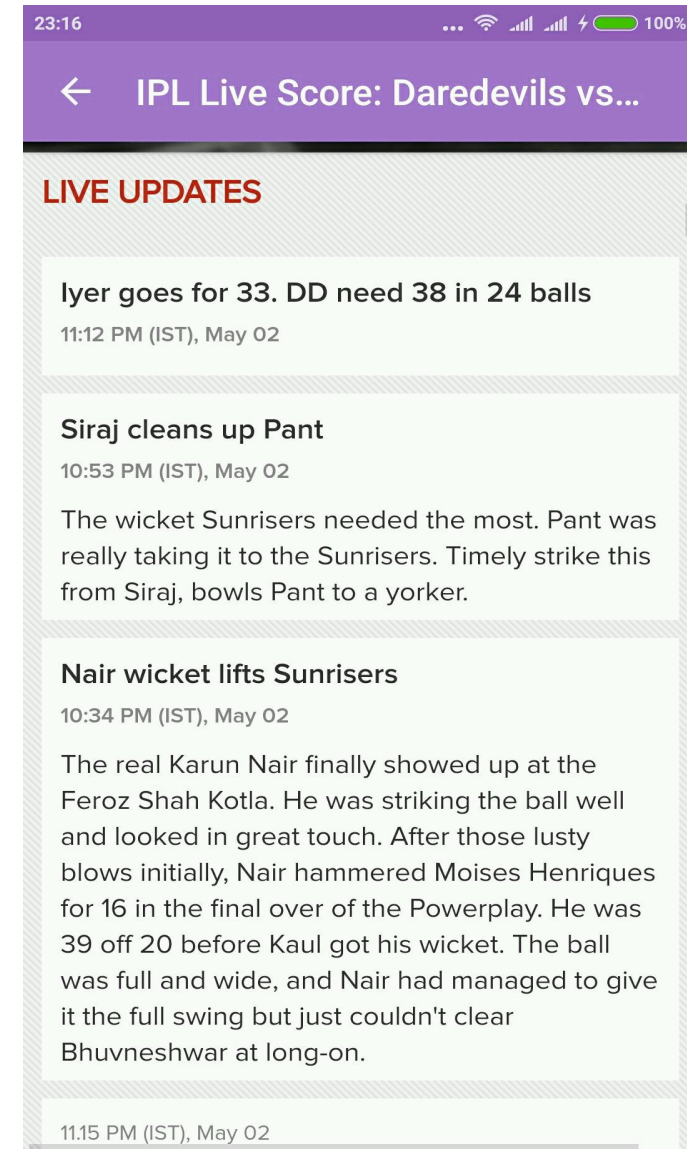
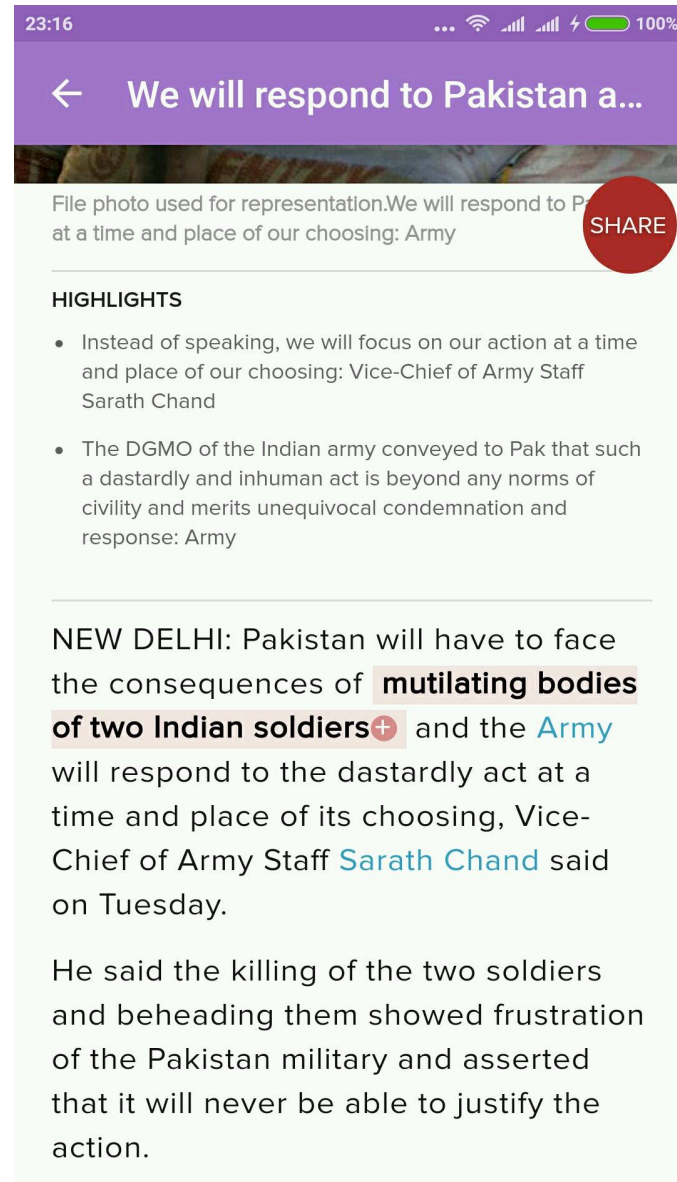
A sample RSS Feed of NDTV news channel

```
<item>
  <guid isPermaLink="false">1688851</guid>
  <title>
    <![CDATA[
      EU to Rule on $38 Billion Qualcomm, NXP Deal by June 9
    ]]>
  </title>
  <link>
    http://gadgets.ndtv.com/mobiles/news/eu-to-rule-on-38-billion-qualcomm-nxp-deal-by-june-9-1688851
  </link>
  <category>Mobiles</category>
  <pubDate>Wed, 03 May 2017 09:52:13 +0530</pubDate>
  <storyimage>
    https://i.gadgets360cdn.com/large/Qualcomm_1477116425365.jpeg?
  </storyimage>
  <media:thumbnail url="https://i.gadgets360cdn.com/large/Qualcomm_1477116425365.jpeg?"/>
  <description>
    <![CDATA[
      Qualcomm sought EU approval on April 28, a filing on the European Commission website showed on Monday.
    ]]>
  </description>
</item>
```

News Extended

Each news item as shown above in the screenshot is linked with the url in the feed. On clicking the news item it directs you to the complete news story.

So if a reader is interested in knowing more about an item She/he can view the entire news story.



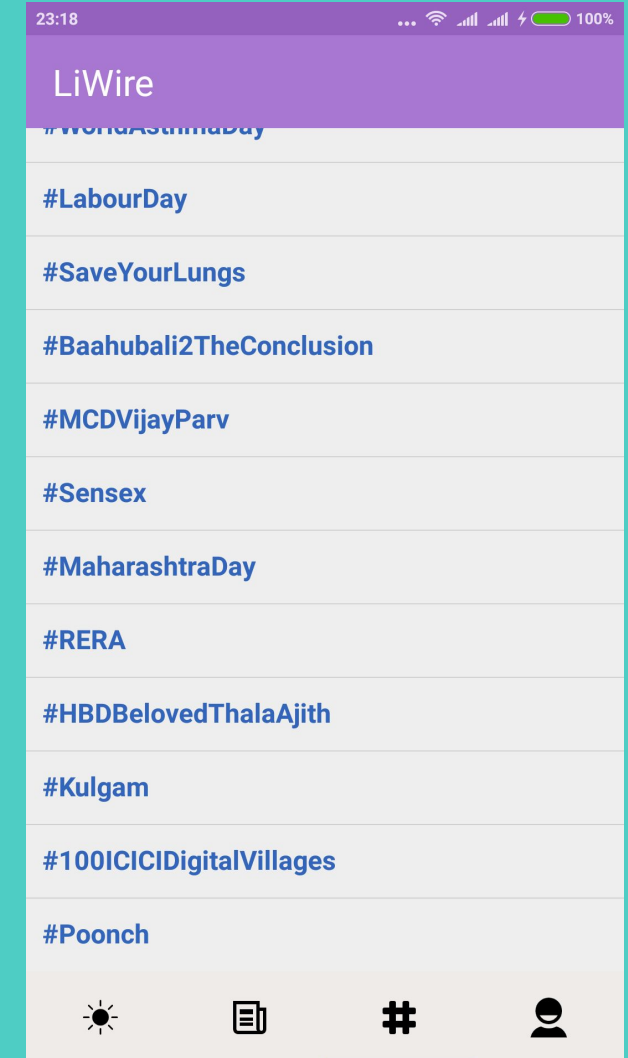
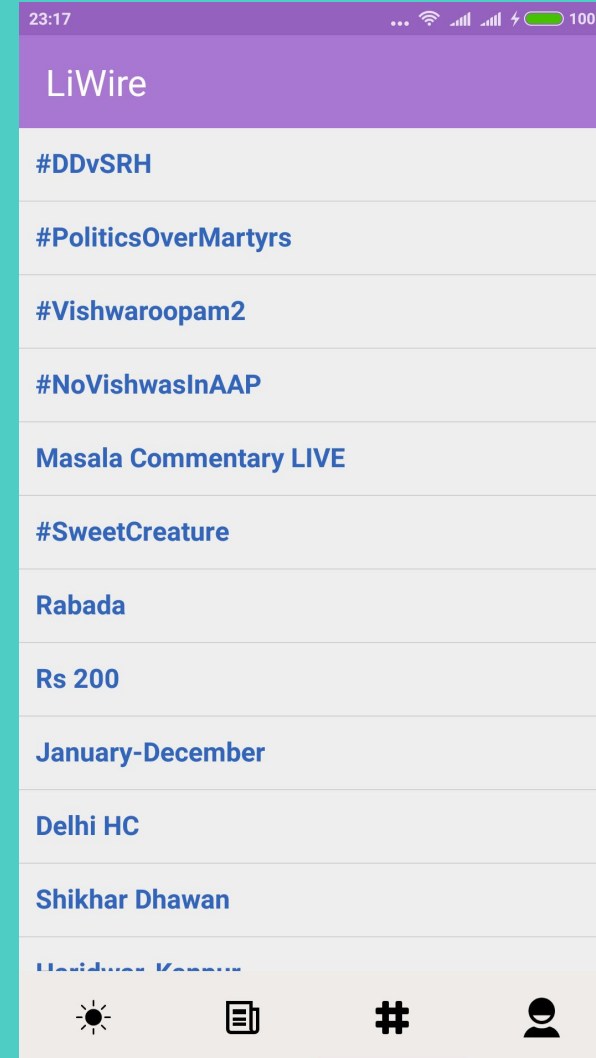


LET'S KNOW WHAT'S TRENDING

Phase - 4 Trending Hashtags

All the top trending hashtags in twitter are shown. These trends have been collected using twitter API.

- Using consumer_key , consumer_secret the url is encoded and http request is sent.
- The response is received in json format
- This json response of tweets is parsed using json parser and the tweets are extracted.



Trends extended

User can scroll down through all the trends and can click on any hashtag that interests him. This is directed to twitter page with all the posts related to that hashtag. Here is the screenshot.



THANK YOU!!

