

Google Girl Hackathon Final Presentation

March 19, 2017

Group “睡什么睡起来coding”

HackHot



Agenda



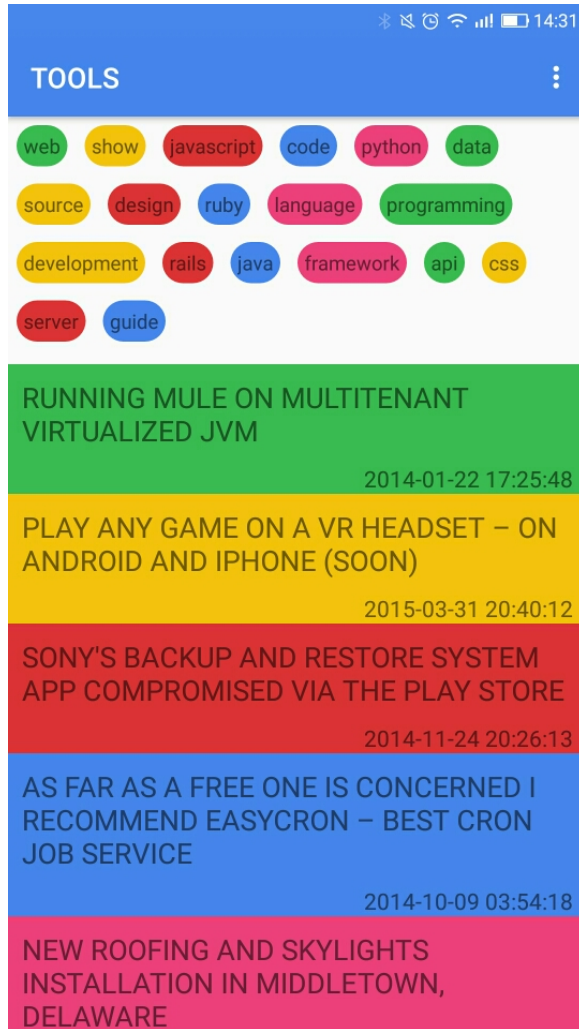
- Product
 - Introduction
 - Highlight
- Impact
- Technical Details
 - Classifying algorithm
 - Ranking prediction
- Demo

HackHot is an Android APP that displays data on current articles and predictive trends.



- HackHot allows users to identify the type of latest article being read by other users.
- The various sizes of circle is determined by the Ranking we calculated for each type.

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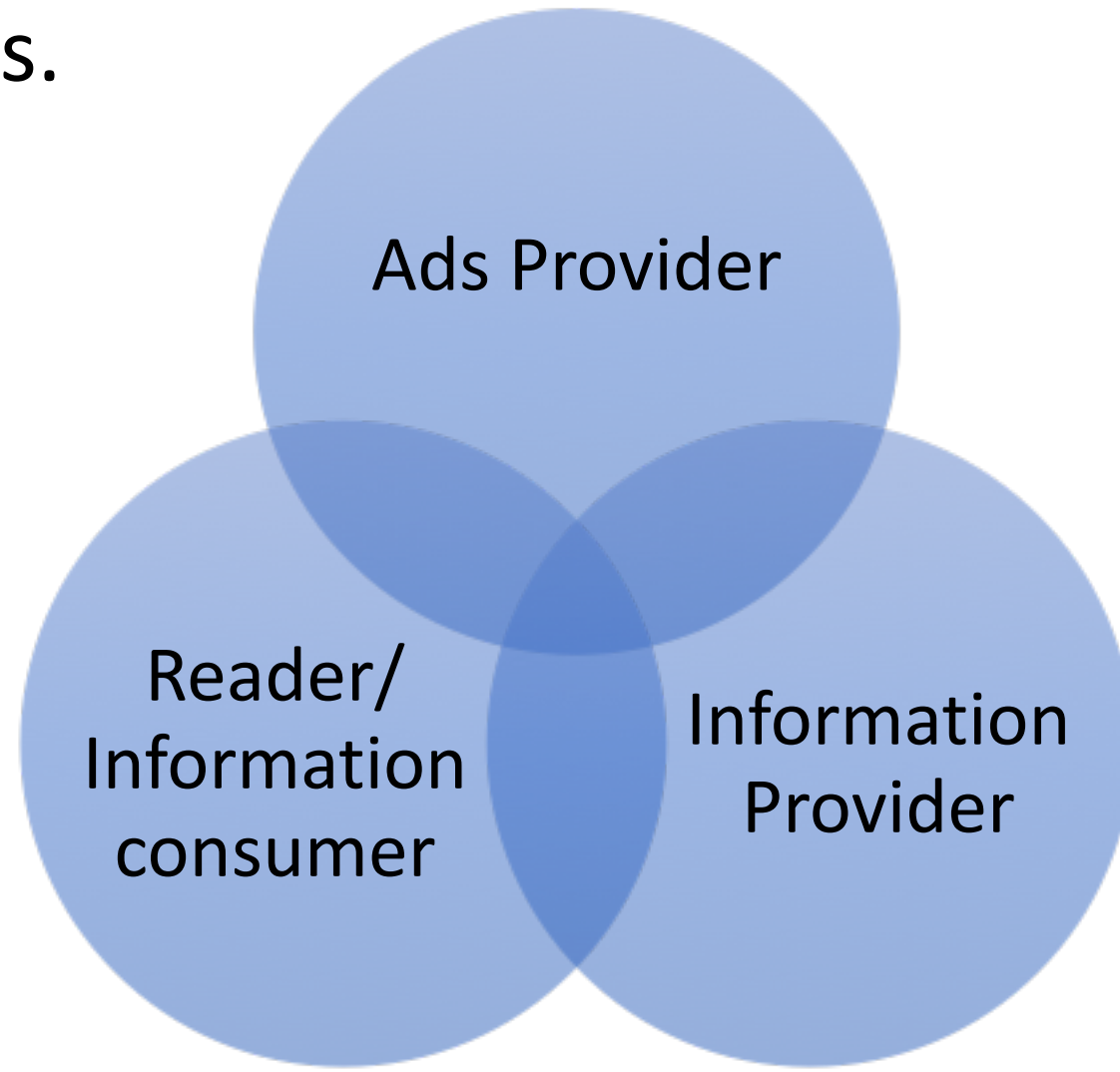


- Users can see the list of articles and keywords that are being classified into the types.

HackHot is an Android APP that displays data on current articles and predictive trends.

- Users are able to see the Ranking of different type.
- User can see the trend prediction of that specific type inside individual tab.

We believe **HackHot** is able to make impact to the following parties.



There are three technical processes in producing the information on **HackHot**

Data
cleaning

- Identify the data required, remove unnecessary data and transform into useful format

Classifying
data

- Parse texts and classify them using LDA, an unsupervised learning algorithm

Regression

- Run regression on number of stories, comments and score to produce a Ranking

We have used LDA to classify data into 5 types.



- Parse title and text from story corpus and extract key information about the story.
- Key words are used to classify the articles.
- Through trial and error, we have found that $K = 5$ is the most optimum result.

We have made our data more meaningful by computing Ranking.



- Aggregate statistics of story corpus.
- Aim to find a correlationship between time, number of comments, number of stories and score of the article.
- Regression is used to produce predictive data

Demo

