MICHIGAN STATE UNIVERSITY Beta Presentation Feedback Prompt for Ratings in Google Play Store

The Capstone Experience

Team Microsoft

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Fall 2021

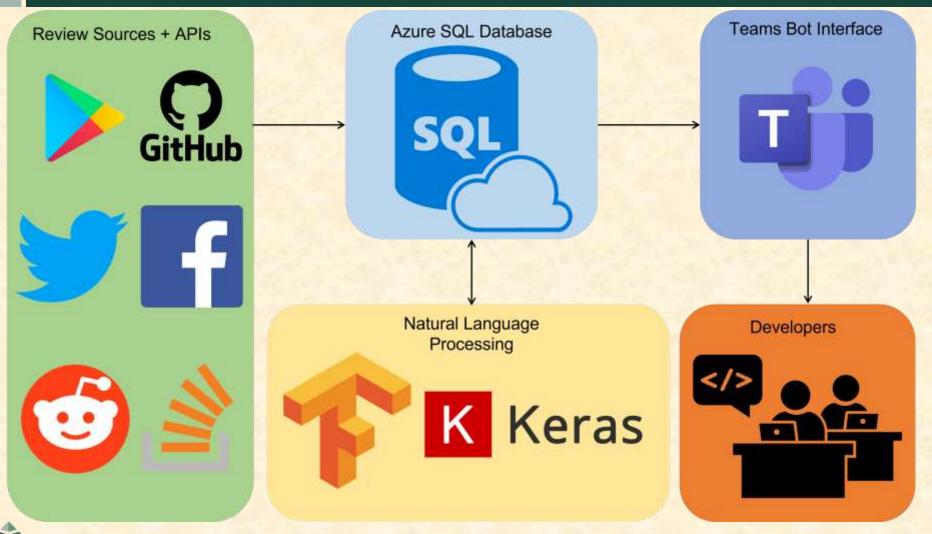


From Students... ...to Professionals

Project Overview

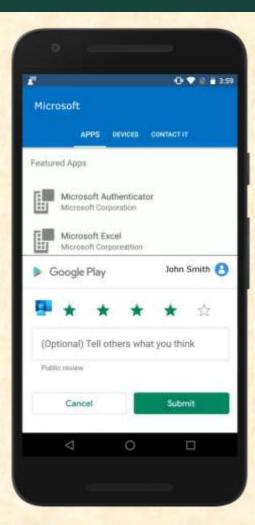
- Build a system for Microsoft employees to receive and analyze end user feedback of the Intune Company Portal app:
- In-app feedback prompt for users to effortlessly leave a review in the Google Play Store
- Use sentiment analysis in conjunction with classification to determine user sentiment and identify app issues
- Automated generation and delivery of easily digestible analysis reports via Microsoft Teams Bot

System Architecture



In-app review prompt

	1 🖬 6:3
Review Test	
Google Play	Justin Hollinshead
Review Test	
	ublic and include your evice info. Learn more
* *	* * *
Public Review	
- Public Review	pp‼
	pp!! 22/500
What a fantastic a	
What a fantastic a	22/500



The Capstone Experience

Teams bot output 1

	Microsoft Teams	Q. Search	
Q. Activity	Chat ~ 🗐 🖾	IntuneCompanyPortalFeedback Chat 2 more -	
	 Recent IntuneCompanyPortalFee 11/9 Sent a file App Studio 0/26 reviewAnalysis-local-debug Sent a card Sent a card Company PortalFee 0/19 	<page-header><image/><text><section-header><text><text></text></text></section-header></text></page-header>	
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Teams bot output 2

	Microsoft Teams	Q Search ···· Mc
C) cirviny	Chat ~ 🗐 🖾	IntuneCompanyPortalFeedback Chat 2 more ~
0	- Recent	Average Ratings of Reviews in Given Month
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6655 	To Sent a file	4.0 Mobie@Work
	App Studio 9/26	g 15
E) Anton	reviewAnalysis-local-debug 9/20	\$ 30 8 25
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cals :	E ^p reviewAnalysis 0/19 Sent a card	² 13
0		19
		August September October Month
		in the month of October, intune's average user rating was 2,35 stars, intune's average rating is down 2,08% compared to September!
		Now, let's take a look at the sentiment distribution of
		these reviews.
		Review Sentiment Analysis (Last 600 Reviews)
		356 - Intune WorkspaceOhE
		300 - Mobile@Work
		§ 230 -
		200- E
		2 130 - Contraction of the second sec
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Team Microsoft Beta Presentation

Text file attachment

Variation of the second second	
Top 5 Upvoted Reviews.bit - Notes	be - D
tar Rating: 1	POUR DEVICE I wanted to be able to just pull out my primary or spare phone and check work small while at work. The company's agreement states that if work small is accessed on a personal device they have the rig
humbs Up: 136	
ate Posted: 2021-10-17 eview: It is not working tar Rating: 1 humbs Up: 124	g after latest update claiming wrongly that I need to use a password longer than 4 characters, even I have much longer than 4 characters. Many people complained about this issue and developers silence is defini
ate Posted: 2021-10-13 eview: Since the update tar Mating: 1 humbs Up: 79	this app no longer is able to verify my device meets company policy, it talls me my password iant long enough. Despite changing it multiple times and reinstalling it still doesn't work.
ate Posted: 2021-10-13	
	o in the name of data security, it litterally takes control of your mobile. You cant use patterns for your screen lock and can only proceed with pin pwil. If it was for official data security then it should rest
op 3 reviews that discus	ss bugs)
ate Posted: 2021-10-12 eview: The application M tar Bating: 1 humbs Up: 10	has many bogs. After the last opdate, the massage appears that the password is too short, although it has a length of 16 characters. I do not recommend. Thanks
ate Posted: 2021-10-19 eview: How ethical is in tar Matirg: 1 humbs Up: 4	t for you to force me to download this application to use outlook, the application I had to download in order to agree with the company I work for and see the payrolls
eta Postad: 2021-18-22 nview: It slows down the tar Rating: 1 numbs Up: 3	e phone so much that I can hardly take a picture. When you disable It, the wire comes to itself.
op 3 Reviews discussing	app features!
ate Posted: 2021-10-13 eview: cannot login to t tar flating: 1 humbs Up: 2	teams because of rout? really? terrible app
ate Posted: 2021-10-23 eview: Good tar Hating: 5 humbs Up: 1	
ote Posted: 2021-10-05	t work normally watap I don't know what it has
6	

What's left to do?

Stretch Goals

- Run accessibility analysis for report (making sure text to speech and color balance works for PDF).
- Extend output to include other Microsoft apps (Managed home screen, etc.)
- Implement dynamic word embedding similarity score that allows user to compare similar vectors/words input against database of reviews.
- Append Twitter and Reddit data in extended output.
 Give options to filter reviews by language.

Questions?

