FARIHA RAHMAN' ID-19101038 CSE471 (6)

Answer to the Question No-1

Agile	DevOps
DAgile method centors upon collabo- tration, trapid small treleases and customer feedback. It is an iterative approach.	der and op-team on bound tigether and seanches for solutions.
2) Agile manages complex projects.	1 Der Ops manage end-to-end engineering
3 Agile team members have with raniedy of similar and equal skills.	3 Devors divides skill set between development team and operation team.
The town of the	nd delivery where feedback comes From internal team.
(5) Agile doesn't put emphasize on automation and developing software is intuent to agile.	- automotion as developing, implemental
(6)Agile can be implemented in frameworks like sprint, scrums etc.	Devops do not have accepted framework because it's for main follow is on collaboration.
D'Apile focuses on function, hor functional readiness and fills the hole between development customer need and testings team	Devoks focuses on business and operational readiness and fills the hole between development and
8) Apriles tongét anea is Software development. ITA, Bryzilla, kambandete one some popular agile tools.	delivery and end-to end business solution. Tools used In this fellow. Puppet, Chef, AWS etc.

Answer to The	*SeAB			
Parameters	Year O	Year 1	Yeen 2	Your 3
Total Benefit Total Cost	84468	43615	58363 12316	74167
vet benefit (TB-Te)	84468	32796	46047	6 1393
comulative net cosh flow	84468	51672	5625	55168

Break Even Point (BEP)

BEP = number of years of + those years net cosh - Those years he regardive cash flow those great cash flow

= 2+ 61393-55768

= 2.691622 years Am;

Answer to the Question No-3 If Walton wants to build a food freshness checking app for refriguenators then the requirement analysis for this would be * Functional Requirements 8 • System: It The app will have a feature a login window where users have to put unique ID of to enable report sync.

面 The sapps system will send notification to the user upon detecting sudden odor or gram intertation. The apps system will provide daily freshness short to the users.

HI The features will have built in cornera functionality to scon food items via devices camera and get instant

freshviess report.

It The app will have forward list of food items to the user that one going to expire soon to prevent food adulteration and enadicate possible betwee contagion of germs to keep overall internal retnigerator environment clear and frems.

It The app will also have event had Inventory Temperature, Filter Report, Germ Detection, Rotten or expired food items, Commulative Health Report etc

· Users: If The users will be able to check internal health of the fridge and change manually upon getting a notification on reminder through the app. The user will be able to scan food items through built in corneras from the app upon adding items to the refrigerators inventory to get updates about. toods theshness and

It was will be able to monitor the lemperature of the bridge and seet customize temperature according to their needs.

Food inside the fridge over the internet via suit in comeros into the fridge and identify possible expired or notten boods and germ infections without accessing the fridge itself.

Non-Functional Reguinements:

· Operational &

It Each nefrigerator monitoring app can have an unique.
It to pair with available smout refrigerator.

"Tough Mode" so both professional users and elderly user com access dother according to their needs.

IT The app can be accessed by directly from the mobile or doctor on laptor easily. Also, to ensure universal computability web areaston of the app can be accessed via any browser to tetch instant freshness report.

reshomance state The fidge and monitoring app will communicate using WIFI-6 Technology. Being fast and wineless at the same time will make data sonc every quick and users will be able to review freshmess report

Samity: IFI The refrigerators will link up and communicate with the app upon completening verification with its orband vinique device ID. This will percevent and potential tisk not data back and unauthorized login.

It Data of the wers will not leave its orban to memory and control app.

· Cultinal and Political:

III To monitor and ensure freshner and the quality of the cooked foods I and data will be frequently added to the approductabase via constant updates.

It The app will feature and support scorn of all the available food items within the country and internotional products as well to offer root among of Mexert re calibration.

Anover to the Question No 2-43 Requirement Analysis (Functional and Non functional) for BRACU Lost and Found App" for students: -

Functional Requirements:

· System of The app will use separate bying sections for three base Usons ench as Admins, Students, Guests. The opp will show urgent collection notice on

the top of the window. 1 The system will offer list of item whicean be sorted by date and time, etc. The lists Trow will also feature a checkbox incorporating the current condition of the item for example lost) for the binde found.

If the app will send notifications to the user about orgent notices, anery on whether the students lost items were found on not and collection time etr. Maminis III The admires can view and approve posts from quests through the app.

Almin can view and approve 'claim' ed pasts from students and give collection time via the app.

The Admins con mark a lose item valuable it its too expensive and give command to the app to eirculate a generalized notice to all the app users on an urgent basis.

If students during claiming time the admins con F sean ID of them to automatically mavigate to his/her it claim request through the system.

· Gers (Students and auests):

The wers can add last items to the global list by posting and can also add details such as pictures. It Students can claim their last items by showing valid cause and providing their student ID to the request and claim section of the app. and get an appointment on melting for collection to visit builing -2 upm apprioral of the admin.

In the user who does not have a university provided valid.

ID can place found, posts by login as greats in app.

Non-functional Requirements &

operational: It The app con be accessed from and noid, Jos on well as proper desktop environments. It's universally recessible over the internet via web version of the App.

In Each registered last and found items will have a unique towen ID to track its coment constition within the system. In The app will feature separate user Interface for admin and general users to assist them with their desired service and implement contain rules from each user type.

hows and found items will be enased from the app and their attached test posts will be enased of time erased as well to ensure forter loading time for ongoing issues and items.

The system will feature compressed data management for which item pictures and as additional documents will load faster on the app.

Searity: Frenz lost and bound Hems found part will be tagged with authority provided ID. so scan with fraud item list and fubre claims can be monitored.

In The lost and found lotubose will be monitored by the university authority for which data lack can be prevented and data legrity remains intect.

@ Cultural and Politicalo_

Food police if neciensary. They can do this from the app under the section "Admin-communitection"

If the bounder con sometime Tremain anonymous if the helphe reports via Crueste section.

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Edit. building man godowit II. w whose will life

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