

Feasibility Analysis

Share Karo! App

Made by Group Member:

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EXECUTIVE SUMMARY

This project was a spark of interest for our team and we decided to take it forward to the software engineering project so as to learn about how to go about the intricacies of developing a software from scratch stage to full completion in a manner that is along the lines of industry standards.

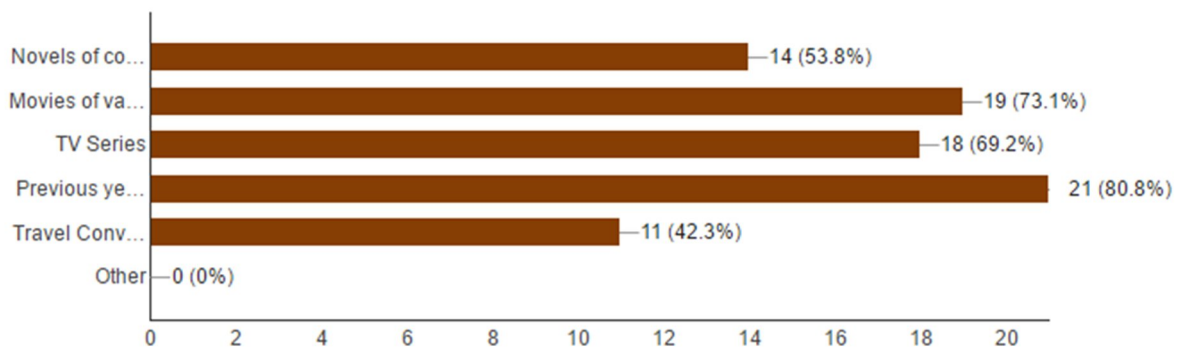
The admin rights are solely with the developers of the app for the time being and will be for a long period of time.

This software is to be designed with the intention of solving major issues that are being faced by the student fraternity of NIIT University on a daily basis. The hostel life of NIIT University is what makes up 60% of the culture and life here. Students generally tend to get bored in the hostels. They get rid of this boredom with the help of movies and a variety of TV series. These movies and TV series not only help them get rid of boredom, but also help the hostel-mates and roommates to bond together and thus help each other more in the long run. Our original idea was just to make a platform for the students to share movies and TV series, but we further extended this basic idea to novels, books, study material, project assistance and cab sharing.

We have even done surveys regarding the willingness and their interest in such an idea.

If you get an in-house sharing app, what all would you want it to share if it provides you with contacts and exchange for free?

(26 responses)



DESCRIPTION OF PRODUCTS AND SERVICES

The project is mainly focused on four features.

Movie Sharing:

The students of the NIIT University are highly dependent on movies to pass their free time in the hostels, and this aspect of the app and software was the basic foundation on which the entire idea was further worked upon. Movies make up the crux of the smooth passage of hostel life and we intend to take this big to the level such that all movies will be available in our portal.

Novel Sharing:

Novels are another aspect where its power is undermined generally as people generally tend to read books when they are alone in their rooms. Hence, one avid reader doesn't really know about another avid reader. Our primary objective is to bring all these book worms under one umbrella.

TV-Series Sharing:

Binge watching TV series is a favorite time pass of students. Whatever is the series, they need to finish in 1 or 2 days. This is where our app comes in and helps them to share the TV series list that they possess. The users can simply login and see which other users have that particular TV series. They could get hold of that user and transfer that series into their laptop and finish it off in 1 or 2 days and increase their checklist of TV series.

Study Material Sharing:

Study material, in a broad sense includes all kinds of projects related topics done by the seniors and the notes of previously taught course by the same instructors. Even old question papers of mid sems and comprehensive exams can be uploaded by the seniors and can be passed on to the juniors, so that they would have an easy time preparing for the exams and making the projects.

Conveyance Sharing:

Students of NIIT University face this issue on a regular basis when they need to go home or return from home. A cab charges between Rs 2500 and Rs 3500 and paying that much for 1

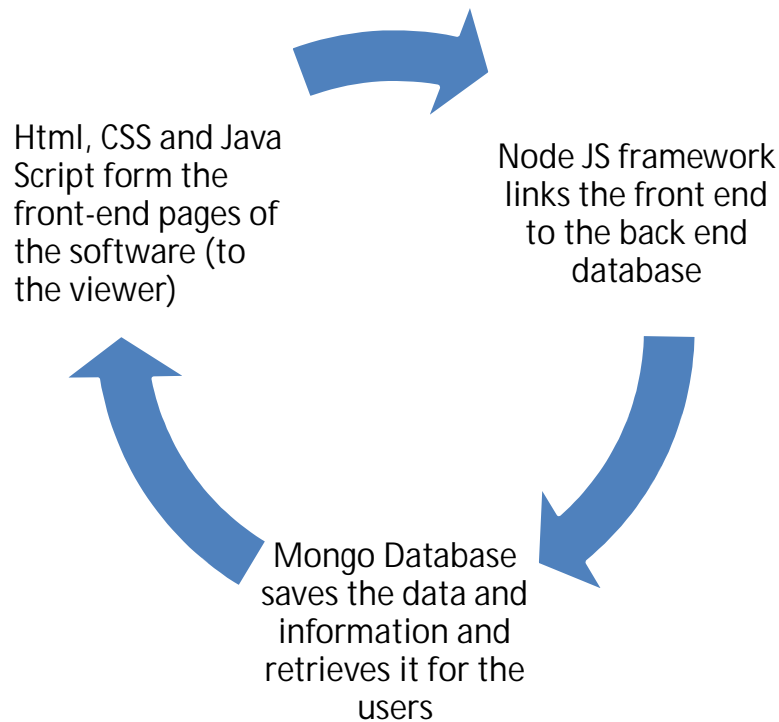
person is highly unreasonable. Thus our app will help to students to connect who are leaving or reaching on the same day or time.

Garage Sale:

Students prefer sharing the reusable items with their colleagues and peers. The app provides them with a photo upload option so as to upload and share what they want to sell in second hand. Thus, this is another feature on the low priority level on the app. The user can search for the items they desire and can procure the contact of the person concerned with the item.

fx Timestamp				
	A	B	C	D
1	Timestamp	Username	If you get an in-house sharing app, what all would you want it to share if it provides you with contacts and exchange for free?	If a coll If yo
2	9/1/2016 16:17:35	priyanshu.bhatnagar@st.niituniversity.in	Movies of various genres, TV Series	Yes Yes,
3	9/1/2016 16:48:05	vidisha@st.niituniversity.in	Novels of common interest, Movies of various genres, TV Series, Previous year's Projects and Presentations, Travel Conveyance	Yes Yes,
4	9/1/2016 17:26:30	nikhil.14.nair@st.niituniversity.in	Movies of various genres, TV Series, Previous year's Projects and Presentations	Yes Yes,
5	9/1/2016 18:11:57	niralis.sampat@st.niituniversity.in	Novels of common interest, Movies of various genres, TV Series, Previous year's Projects and Presentations	No Yes,
6	9/1/2016 19:58:58	vanshika.rohatgi@st.niituniversity.in	Previous year's Projects and Presentations	No Yes,
7	9/1/2016 20:21:00	ksreedevi.reddy@st.niituniversity.in	Movies of various genres	Yes Yes,
8	9/1/2016 22:44:12	padegal.pranavi@st.niituniversity.in	Previous year's Projects and Presentations	Yes Yes,
9	9/1/2016 23:06:31	jallepalli.prema@st.niituniversity.in	Novels of common interest, Movies of various genres, TV Series, Previous year's Projects and Presentations	No Yes,
10	9/1/2016 23:37:18	mansim.singh@st.niituniversity.in	TV Series, Travel Conveyance	No Yes,
11	9/1/2016 23:39:51	ashwin.pilgaonkar@st.niituniversity.in	Novels of common interest, Movies of various genres, TV Series, Previous year's Projects and Presentations, Travel Conveyance	Yes Yes,
12	9/1/2016 23:43:57	sowmyas.charlu@st.niituniversity.in	Novels of common interest, Previous year's Projects and Presentations	No Yes,
13	9/2/2016 0:38:40	antra.tripathi@st.niituniversity.in	Novels of common interest, Movies of various genres, Previous year's Projects and Presentations	Yes Yes,
14	9/2/2016 1:09:16	simran.malhotra@st.niituniversity.in	Movies of various genres, TV Series, Previous year's Projects and Presentations, Travel Conveyance	Yes Yes,
15	9/2/2016 1:22:15	mahima.maheshwari@st.niituniversity.in	Novels of common interest, Movies of various genres, Previous year's Projects and Presentations	Yes Yes,
16	9/2/2016 1:54:55	deepika.tripathi@st.niituniversity.in	Novels of common interest, Movies of various genres, TV Series, Previous year's Projects and Presentations, Travel Conveyance	No Yes,
17	9/2/2016 8:40:57	kodamasimham.aakash@st.niituniversity.in	Previous year's Projects and Presentations	Yes No, I
18	9/2/2016 13:01:42	saurav.singh@st.niituniversity.in	Movies of various genres, TV Series, Previous year's Projects and Presentations, Travel Conveyance	Yes Yes,
19	9/2/2016 15:38:33	shraddhas.patil@st.niituniversity.in	Movies of various genres, TV Series, Previous year's Projects and Presentations, Travel Conveyance	Yes Yes,
20	9/4/2016 12:20:30	soumi.pal@st.niituniversity.in	Novels of common interest, Movies of various genres, TV Series, Previous year's Projects and Presentations	Yes Yes,
21	9/4/2016 17:35:28	chapala.s.sowmya@st.niituniversity.in	Novels of common interest, Movies of various genres, TV Series, Previous year's Projects and Presentations, Travel Conveyance	No Yes,
22	9/5/2016 11:44:11	jharana.shrivastava@st.niituniversity.in	Novels of common interest, Movies of various genres, TV Series, Previous year's Projects and Presentations, Travel Conveyance	Yes Yes,

TECHNOLOGY Feasibility CONSIDERATIONS



The software is built with the definition of following frameworks:

- 1) The database is designed using the Mongo DB framework.
- 2) The languages (html, CSS, java script, node JS) are built upon the Visual Studio 2015 Enterprise software.
- 3) The software is majorly designed upon the Microsoft Windows OS. However, it is created as a cross-platform forum to work over Linux and iOS as well.
- 4) The Node JS framework: Integration with other Visual Studio features and 3 rd party tools. (NodeJS, JavaScript, HTML, CSS, and JSON support)
- 5) Communication protocols like RESTful API that interface between the front-end and back-end codes.

The app doesn't require much of the heavy/complicated software involvement to built up. The cost of working and developing are minimal and is designed as a cross platform open source

implmentation that can verse well with all types of operating systems and defines a comprehensible/lucid interface for the user.

PRODUCT/SERVICE MARKETPLACE

The software has been designed majorly for University students. However, it can be generalized and extended to local area space where people can interact and share their entertainment, study material and conveyance through the app.

The user can sign up with the university/domain login and share their contact (email/phone no) if they feel like. The user needs to explain their interests in particular movie/novel genres so that other users can request them. The user is also allowed to upload the ppts and presentations they created for the juniors to refer. He/she can draw out the details of their journey so as to check if anybody else matches the same. The user can look up under specific headings (entertainment, studies, conveyance) and check if their requirements match any of the ones uploaded and can then contact the concerned person. The user is also allowed to make requests to a specified person for contact regarding the requirement.

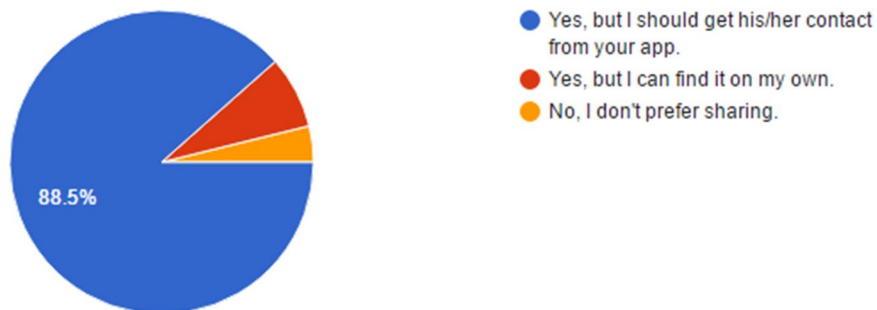
Here are the responses that have been recorded for the surveys:

The link to the survey questions:

<https://drive.google.com/open?id=106nrUHpPJbuwHH0KGF8Crogl4Tui3VpNfJ0K841ZL8>

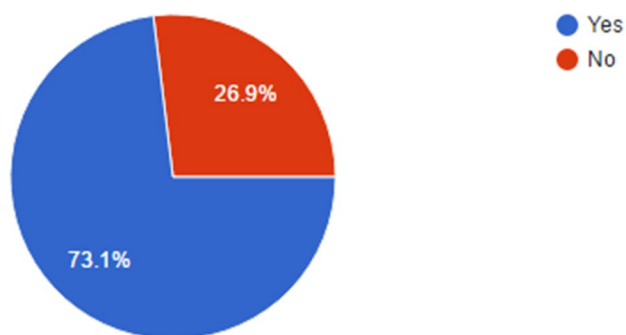
If you get to know that one of your senior/junior has a TV series, movie, etc. that you so want to watch, would you like contacting and exchanging it with him/her?

(26 responses)



If a college-mate sells up his second hand stuff (like blue-tooth speakers, cellphone or textbooks) at a much lesser cost, would you buy it?

(26 responses)



Would you prefer sharing your ppts and project files with your juniors?

(26 responses)



Any other suggestion to make this app more likable? (3 responses)

Contacts not to be shared without consent, but I'm sure you've already considered that. Sounds like a great idea. All the best!

I shouldn't be bothered too much by requests.

User interface should be friendly

Feasibility Analysis Questions

What if the system wasn't implemented?

If the software system that we are planning to implement doesn't be implemented, we would lose out on making the lives of our fellow mates simpler. According to the responses of the survey being taken with our friends, they are very interested in having an app where they could share and get things like movies in a quick and efficient manner. Movies and TV series were the most worthwhile things that the students were interested in.

What are the current process problems?

The current process problems in my point of view is the final delivery of the movies and TV series to the other user from one user. The process would be smoother if the Whatsapp contacts of the users would be available to all the other users. However, that would be compromising in security of the users as not all users are open to the idea of sharing their contact or Whatsapp openly. So, the

smoothness of the product delivery is a major aspect in my mind which I look to resolve while designing the final software/app.

How will the proposed system help?

The proposed system will not only help in getting people to share things at NIIT University, but also bring the student fraternity closer and help them bond. This bonding and closeness plays a major role in making a student feel at home. If we get students to feel like a family, and if our app helps in that direction, I will feel successful, as nothing in life is better than getting people close. The survey results clearly reflect how much people in our University are open to sharing.

What will be the integration problems?

I believe, that the integration problems that will occur is the mindset of people who will not be open to sharing. For a huge success of this app, it would be best for everyone to share whatever movies, TV series, Study material, tips, project material, books, novels, so that everyone enjoys the full services of the app.

What facilities must be supported by the proposed system?

With major and thorough survey and questioning to our friends, I realised that the foundation of this app should be based on movies and TV series, just like Google's rockbed is based on the search engine. People still think of the search engine of Google when they hear its name, though it has come a long way in all technologies since then. In a similar way, I want people to think of movies or TV series on hearing the name of our app, though I want to develop this idea further to solve many other problems.

CONCLUSIONS

The "Share Karo" App is good to go for the development phase.

The app comes with advantages like:

- 1) Low cost development and management.
- 2) Low memory requirements for operation across systems.
- 3) Cross platform and Open source functioning.
- 4) User friendly interface.
- 5) Privacy protection for the users.
- 6) Easy interaction between users.
- 7) Socializing add-on to the app.