FEASIBILITY ANALYSIS

Share Karo! App

Group Member:

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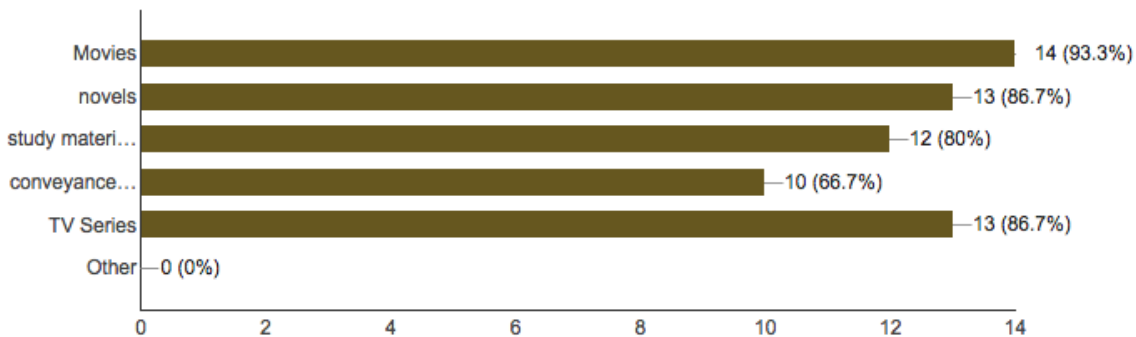**NIIT University**

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EXECUTIVE SUMMARY

The project "Share Karo" App has been done as a Vth Semester software engineering project development assignment. The Project has been developed by six third year students Akshay Gupta: U101114FCS039 (S2), Anshul Sharma: U101114FCS046 (S2), Ayushi Jain: U101114FCS055 (S2), Ishtaa Sayal: U101114FCS070 (S3), Jatin Kakkar: U101114FCS072 (S3) and Jharana Shrivastava: U101114FCS073 (S3).

The admin rights of the app and the first installment presentation lies with the developers and founders of this app. The app has been purely developed by its founding members with proper division of workforce.
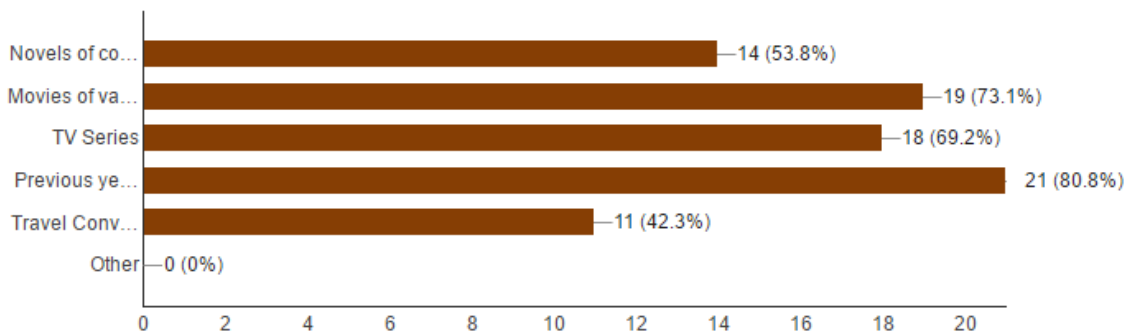
if you get know about an sharing app what would you like to share?
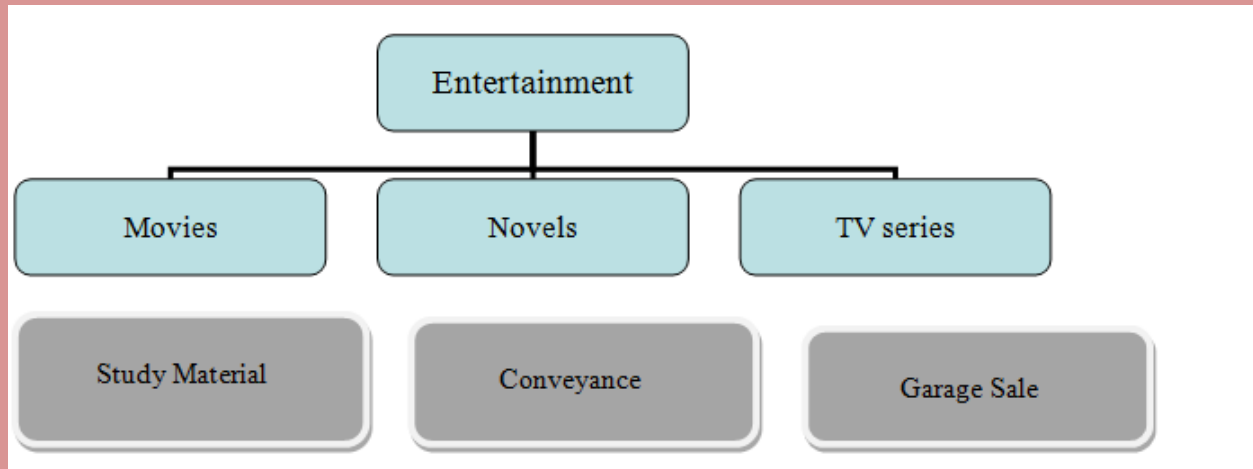(15 responses)

Category	Value
Movies	14 (93.3%)
novels	13 (86.7%)
study materi…	12 (80%)
conveyance…	10 (66.7%)
TV Series	13 (86.7%)
Other	0 (0%)

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)

Category	Value
Novels of co…	14 (53.8%)
Movies of va…	19 (73.1%)
TV Series	18 (69.2%)
Previous ye…	21 (80.8%)
Travel Conv…	11 (42.3%)
Other	0 (0%)

DESCRIPTION OF PRODUCTS AND SERVICES

The project is mainly focused on four features.

Movie Sharing:

Students (hostellers) mainly like to indulge into movies to pass most of their time in the hostels. Thus, this feature is on the high priority level on the app. The app gives them an option to put up their preferred movies and search for the ones that they feel like watching.

Novel Sharing:

Students (hostellers majorly) like to indulge into novels to pass their time in the hostels and to widen their horizons into the world of literature. Thus, this feature is again on the high priority level on the app. The app gives them an option to put up their collection of novels and search for the ones that they feel like watching.

TV-Series Sharing:

Students (hostellers mainly) indulge into TV series (American mostly) to get an insight into the affairs happening all around the world and to get a peek into the life beyond a particular space. Thus, this is another feature on the high priority level on the app. The app gives them an option to put up their preferred movies and search for the ones that they feel like watching.

Study Material Sharing:

Students prefer their course ppts, projects, important questions papers and presentations with juniors, without any hesitation. Thus, this is another feature on the low priority level on the app. The app gives them an option to put up their used projects and ppts as reference for juniors and search for the ones that their seniors have uploaded and they feel like downloading.
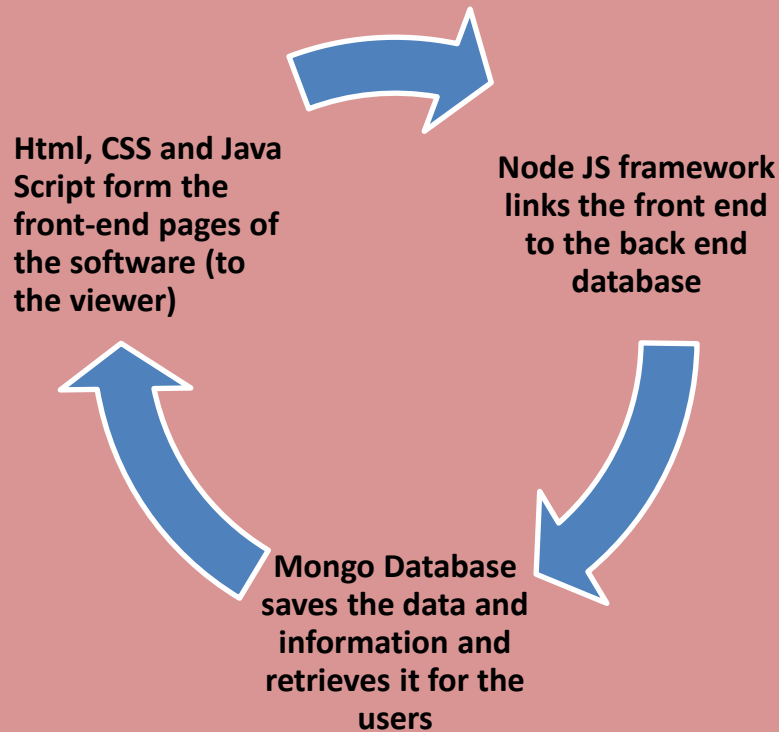
Conveyance Sharing:

Students prefer sharing cabs (conveyance) to a common destination to reduce upon the travel costs and increase feasibility. Thus, this is another feature on the low priority level on the app. The app gives them an option to put up their travel schedule (date, time, source and destination) and search for the ones with same interests. This would provide them with an option to pool.

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.

TECHNOLOGY CONSIDERATIONS

Html, CSS and Java Script form the front-end pages of the software (to the viewer)

Node JS framework links the front end to the back end database

Mongo Database saves the data and information and retrieves it for the users

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. (Node.js, io.js, JavaScript, TypeScript, HTML, CSS, and JSON support)
5) Communication protocols that interface between the front-end and back-end codes.

SEEDING SURVEYS

The company decided to first survey if the project is worth efforts in real-time. The seeding idea was then presented to a few friends who helped in deciding the same.
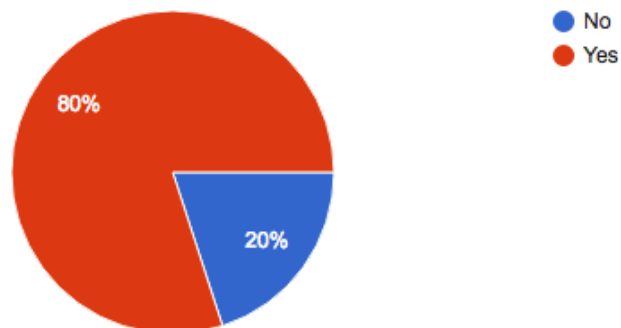
Here is the link for the same:

https://docs.google.com/a/st.niituniversity.in/forms/d/e/1FAIpQLSdQRok8juXlh7KKhXiNcEUZWWn9YxTKTtLWmKertD9MFtg0fA/viewform
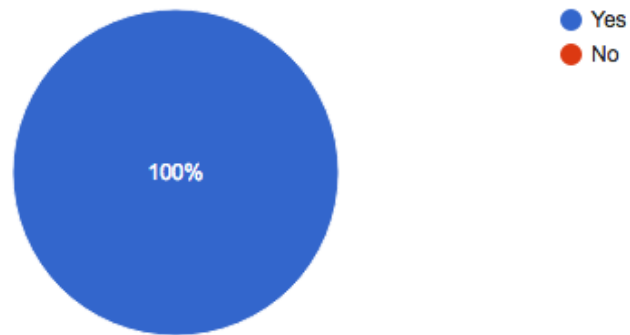
Responses recorded while initial surveys:

Username	Timestamp	if you get know about an :	would you like to share your collection of m	would you like share your ppts and project r	Suggestions
mansim.singh@st.nnituni	9/18/2016 19:45:19	Movies, novels, study ma	Yes	Yes	
taniya.chatuvedi@st.niitu	9/18/2016 19:48:39	Movies, novels, study ma	Yes	Yes	
samaksh.singhal@st.niitu	9/18/2016 19:49:17	Movies, novels, study ma	No	Yes	
mihir.garg@st.niituniversi	9/18/2016 19:49:38	Movies, study materials li	Yes	Yes	
deepika.tripathi@st.niitun	9/18/2016 19:50:22	Movies, novels, TV Serie:	No	Yes	
patils.shraddha@st.niitun	9/18/2016 19:50:40	study materials like ppts,	Yes	Yes	
sowmyas.charlu@st.niitu	9/18/2016 19:51:03	Movies, novels, study ma	Yes	Yes	
shivansh.khanna@gmail.	9/18/2016 19:51:19	Movies, novels, study ma	No	Yes	
karan13@gmail.com	9/18/2016 19:51:45	Movies, novels, study ma	Yes	Yes	
aditi.j@gmail.com	9/18/2016 19:52:01	Movies, novels, study ma	Yes	Yes	
chalamala.krishnapriya@	9/18/2016 19:52:24	Movies, novels, study ma	Yes	Yes	
pallav.prabhakar@st.niitu	9/18/2016 19:52:49	Movies, novels, study ma	Yes	Yes	
jeeld.shah@st.niitunivers	9/18/2016 19:54:19	Movies, novels, study ma	Yes	Yes	
manrajs.chadha@st.niitur	9/18/2016 19:54:43	Movies, novels, conveyar	Yes	Yes	
padegal.pranavi@st.niitur	9/18/2016 19:54:58	Movies, novels, conveyar	Yes	Yes	

would you like to share your collection of movies/novels/TV series with your juniors/seniors or contact them if they have something of your interest
(15 responses)

- No
- Yes

80%

20%

would you like share your ppts and project materials with you juniors
(15 responses)

- Yes
- No

100%

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.
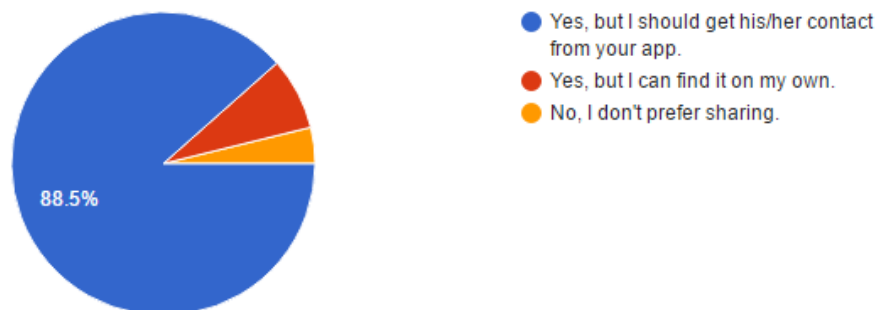
Here are the responses that have been recorded for the surveys:
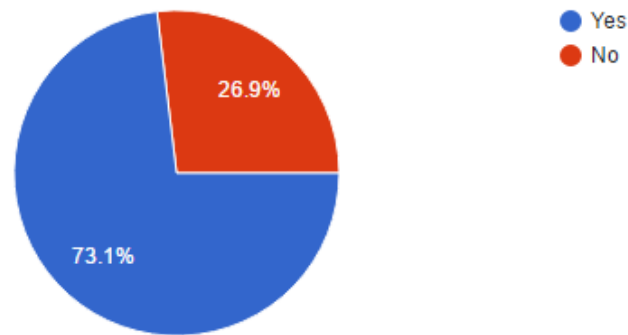
The link to the survey questions:

https://drive.google.com/open?id=106nrUHpPJbuwHH0KGF8CrogIt4Tui3VpNfJ0K841ZL8
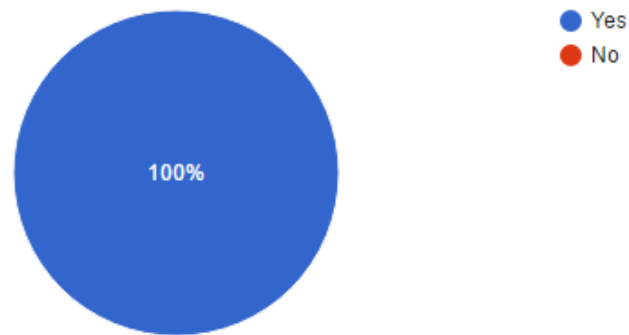
If a college-mate sells up his second hand stuff (like blue-tooth speakers, cellphone or textbooks) at a much lesser cost, would you buy it?
(26 responses)

- Yes
- No

26.9%

73.1%

Would you prefer sharing your ppts and project files with your juniors?
(26 responses)

- Yes
- No

100%

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

THREATS

The project idea could face serious oppositions or failures if the following conditions are somehow invalidated:

1) The people are not willing to share their private collections.
2) People are not open to interacting with new people or getting to socialize.
3) The physical exchange is not possible between two interested parties.
4) The people don't sign up or update data on the concerned forum and don't make it visible.

The threats are taken care of in the manner where the app is made completely interactive and lucid for usage. It is considered that students are generally open to socializing and procuring their needed stuff from sources.

The main questions that we tried to answer were:

- **What are current process problems? What if the system wasn't implemented?**

⇨ The people will have to go on various platforms to find their required leisure time stuff and there are major chances that they won't end up finding them.

- **How will the proposed system help?**

⇨ The system will provide an easy platform for people to come forward and share their documents on a common portal and even help in socializing.

- **What will be the integration problems? Is new technology needed? What skills?**

⇨ The integration would require constant update feature and an option to the user to secure their contacts and share only items that they want to. The admin would reserve security rights and the function would be implemented by java-scripting.

- **What facilities must be supported by the proposed system?**

⇨ The app should be lucid and comprehendible and cross-platform for easy handling and access.

CONCLUSIONS

The "Share Karo" App is good to go for the development phase. Most of the suggestions have been incorporated and have mostly been taken care of.

The team has worked hard for designing the USPs of the app that differentiates it from all contemporary substitutes as the app comes with extravagant 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.

REFERENCES

1) http://www.sciencedirect.com/science/article/pii/S0960148108003315
2) https://www.researchgate.net/profile/Tom_Baldock/publication/222435805_Feasibility_analysis_of_stand-alone_renewable_energy_supply_options_for_a_large_hotel/links/00b7d518d634e4b798000000.pdf
3) https://www.researchgate.net/profile/Tom_Baldock/publication/222296269_Case_study_feasibility_analysis_of_renewable_energy_supply_options_for_small_to_medium-sized_tourist_accommodations/links/00b7d518d634e226bd000000.pdf
4) http://www.gis.geo.uj.edu.pl/Teaching_tool_on_knowledge_transfer/eng/wydruki/pdf/Feasibility%20analysis.pdf
5) http://www.prenhall.com/behindthebook/0132240572/pdf/BarringerCH03.pdf
6) http://wps.pearsoned.com/wps/media/objects/5599/5733471/Appendix_3_1.pdf
7) http://www.business.uzh.ch/dam/jcr:00000000-505f-0781-0000-000015ca410a/Kap3primerentrepreneuruka.pdf
8) http://sydney.edu.au/engineering/it/courses/info5210/chap09.pdf
9) http://msuextension.org/publications/BusinessandCommunities/MT199510HR.pdf
10) https://www.google.co.in/url?sa=t&rct=j&q=&esrc=s&source=web&cd=7&cad=rja&uact=8&ved=0ahUKEwjqr9StoZ7PAhUURmMKHRHbB1UQFghIMAY&url=http%3A%2F%2Fnptel.ac.in%2Fcourses%2F106108103%2Fpdf%2FLecture_Notes%2FLNm4.pdf&usg=AFQjCNH3HYemv8J-TkRaHbYozoiIgHIIZw

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