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App	IOS/Android	Pros	Cons	Can we do better?	Researcher
Recycle Nation	IOS	1) shows locations all around the country 2) includes store information		add barcode option, gamification, and crowd sourcing	Team
1800Recycling.com	IOS	1) shows all types of materials	1) old version of Recycle Nation	add barcode option, gamification, and crowd sourcing	Team
iRecycle	IOS and Android	1) breaks down trash from groups to specific items 2) provides locations nationwide 3) allows users to keep the app up-to-date	too slow to load.		Safal & Salil
MyWaste		1) search bar is easy to use 2) colorful 3) gives data on a searched page	1) can't automatically get your location 2) less data 3) has only a search option		Davesh
Fort Worth Garbage...		2) not user friendly	1) only for one city		Davesh
Waste Atlas	IOS	1) talks about amount of waste being produced nation 2) no category for continents 3) doesn't calculate waste produced by category	1) no way to understand some words 2) category for waste produced by continents	1) should have virtual dictionary and tutorial of app	Aakash
Denver Recycling	IOS	1) talks about all the places that waste can be recycled 2) search button is inaccurate 3) too many ads 4) looks unprofessional	1) talks about only Denver		Pearl
Irvine Recycling	IOS	1) has garbage truck timings 2) shows nearest recycling plant	1) only for city of Irvine, California		Aakash
Boston Trash Day	IOS	1) heads up for garbage truck delays 2) when garbage truck is coming	1) only works for city of Boston	make the app so the whole world can use it	Aakash
Covanta Games	IOS	1) teach about categories in a fun way 2) has gamification	1) not informative enough 2) has only 2 games	use the idea of games to improve our app	Davesh
USDA	IOS	1) helps reduce packaging 2) suggests alternatives	1) only suggests food	implement this feature into our app	Davesh
Freecycle + Trashnothing	IOS	1) can have garage sale on this app 2) gives/tracks your location	1) not every city or town has it	can use crowd sourcing to make it have all 50 states	Davesh
Y Waste It	IOS	1) saves food scraps 2) many search options	1) not free 2) only one part of trash is covered	we can use the idea of using food in our app	Davesh
Recycling Truck	IOS	1) can teach little kids 2) good for Pre-K to 1st Grade	1) paid 2) only for young kids	we can make different sections of our app for different ages	Davesh & Salil
Recycle!	IOS	1) gives ideas on how and where to recycle electronics 2) can only sort electronic waste	1) only in Belgium	can make something similar to sort more kinds of waste	Salil
Recycle HD	IOS	1) info on how to reduce trash by games, videos & pictures 2) no info on local recycling centers 3) paid	1) for kids only	add GPS to show places that collect and dispose trash correctly	Salil
Recycle Hero For Kids	IOS	1) teaches about recycling in a fun manner 3) make player compost trash	1) crashes sometimes and has some	add something to tell people what to do with household items	Salil
Delaware Recycling	IOS	1) shows every recycling location in Delaware	1) only for state of Delaware	make the app so you can get your location anywhere	Aakash
Olathe Trash Day	Both	1) for both IOS and Android 2) alerts for when to take the trash out 3) shows where to take hazardous waste	1) only for the city of Olathe, Kansas	make the app for all 50 states	Sriya
Recycle Time	IOS	1) allows player to sort recyclables into different bins 2) only allows you to sort trash	1) not compatible with phones older than 2) allow more than sorting	1) make it compatible with more devices	Salil
Re-cycle Challenge		1) has conveyor belt and a few bins 2) player has to decide which bin to put trash into	1) only allows player to sort and do not	we can have gamification with a leaderboard like theirs	Salil

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Recycle Paradise		1) teaches children how to sort different kinds of materials 2) not fun or informative for older people	1) has a fly that doesn't look very good	we can have a sorting option and have app interact with the player	Saili
Rollout	IOS	1) alerts when to take trash out	1) only works in Houston	make the app so everyone can use it	Aakash
Recycling Truck	IOS	Game that teaches people sorting skills in a recycling	Not compatible with older iPhones and There is no interaction between the app and the player	We can have the app compatible on all devices and we can make the app	Saili
RecycleFW	IOS	1) info on garbage truck timings 2) user can set up reminders	1) only for the city of Fort Wayne	make the app so everyone can use it	Sriya
Recycling Edinburgh	IOS	1) shows where you can recycle certain materials 2) shows you what to do with the waste	1) only for the city of Edinburgh	make the app so everyone can use it; not just people in Edinburgh	Sriya
Plastic Guide- Materials	IOS	1) explains why to recycle plastic 2) can search up any plastic or chemical		add gamification	
Doodle Trash	IOS	1) Teaches kids how to sort trash	1) Not very fun	We can make it more educational	Davesh
The Trash Game	Android	1) shows the money you can earn by recycling	1) Too much fun not enough education	1) We can use the idea of money to show how much money is being saved	Davesh
Recycle QCA	IOS	1) Can tell you where to dispose your trash 2) Mentions day that the trash could be picked up	1) Can not find your location 2) Minimal data 3) Does not have a barcode scanner	1) We can do more research and use crowd sourcing 2) Add a barcode scanner	Davesh
Loveland Recycling	IOS	1) Allows you to make a schedule for recycling 2) Tells you when your trash is being collected 3) It tells you what items go where and how to recycle them	1) Only works in their city of Loveland	1) We can make the app WorldWide 2) We can make schedules accessible by anyone except people in Loveland	Akhil
Waste Dive	IOS	1) Helps you know about environmental regulations 2) Tells you about new technology that are helping people recycle 3) Tells news about recycling	1) Rated 12+ because of certain terms	1) We can make the app for all ages	Akhil
Mesquite Trash & Recycling	IOS	1) Allows you to make a schedule 2) Tells you when there is no garbage collection 3) Gives you collection notifications 4) Tells you how to recycle certain items 5) Tells you when collection day is	1) Only in Mesquite, Texas 2) Very similar to other apps	1) We can make the app WorldWide 2) We can make it more unique	Akhil
Trash Time- 0.99	IOS	1) Very easy to use and very simple 2) Tells you how many days until your next collection 3) Get notified the morning of the collection or the night before	1) Costs 99 cents	1) We can make the app free to use for everyone	Akhil
1800Recycling.com	IOS	1) Has over 150000 locations to recycle 2) Lets you choose from common-specific materials to recycle	1) Can use more features	1) We can add more features to this app	Akhil
Recycle Truck	IOS	1) A game on recycling 2) Very fun and interactive			
Recycling Today	IOS	1) Give coverage of recycling 2) Gives recycling articles 3) Gives information about recycling 4) Talks about recycling industry	1) The app doesn't contain much and it's very small	1) We can add more features to the app 2) We can add more news articles 3) Explain more about the Recycle Industry	Akhil
Recycling Today Global	IOS	1) Global edition of Recycle Today	1) Needs more articles	1) We can give the app more articles	Akhil
Bin It!	IOS	1) A game to help teach how to sort items into right bins 2) Very fun and interactive	1) Should teach more about recycling	1) We can make the app more educational 2) We can add more facts about recycling	Akhil
Recycle For Greater Manchester	IOS	1) Has many different categories for recycling 2) Teaches how to reduce different types of trash 3) Shows different materials and how to recycle them	1) Works only in Manchester	1) We can make the app Global so people that are not in Manchester can use it	Akhil
What Goes Where Recycling	IOS	1) Tells you where to put your trash 2) Tells you how to recycle certain materials	1) The app is for older devices so it is 2) The app is not updated very often	1) We can make the app more up to date and update it frequently	Akhil

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Recycle!	IOS	1) Maintains your household waste 2) Tells you when to change your garbage 3) Tells you where to recycle your garbage 4) Tells you how to recycle your garbage	1) Works only in Belgium	1) We can make the app global for people i other countries to use	Akhil
Think Recycle	IOS	1) A game where you sort items into the right bin 2) Fun and interactive 3) Lets you practice sorting skills 4) There is a leaderboard 5) The app also gives recycle tips	1) The game is too easy to play 2) The game isnt very challenging 3) The game doesnt make you want to keep you playing	1) We can make the game more challenging and keep the player addicted	Akhil
Recycling Bin	Android	1) helps locate recycling bins in the area 2) allows you to set a reminder to help you recycle	1) not all centers are recycling centers 2) inaccurate	1) we can make sure locations are still there by constantly updating the a	Pearl
Brisbane Bin and Recycling	Android	1) helps you sort your recycling 2) tips for recycling 3) informtion on recovering energy from trash	1) a reminder function doesn't work 2) reminders come on incorrect days	we can make sure reminders work properly	Salil
Do It Yourself- Recycling	Android	1) uses old materials to create new things more than 200 different ways to create new things	1) explanations are poor	we can have tutorials on how to ake things from scraps in our app	Salil
Gro Recycling	IOS	1) Teaches young children how to recycle. 2) No in-app purchases or any third-party advertising.	1) Paid app. 2) Only for young children, ages 5 and under.	We can show children that there would be a prize for recycling.	Laasya
SB City Waste	IOS	1) notifies when the garbage truck is coming for recycl yard trim, trash, and bulky items	1) only works for the city San Bernardi	make it so everyone can use it	Aakash
Recycle for Greater Manchester	Andriod	Only for greater manchester area in UK	user complaints about missing data, bad search	crowd sourcing like coach suggested should help	Akhil
Thorntons Recycling	Android	Company app for trash billing	does not provide details of trash billing		Akhil
Educational Kids Recycling	Android	App for teaching how to recycle/sort trash into bins	for smaller kids. Not useful for everyone		Akhil
iScrap App	Android	For scrap metal pricing	Does not list gold or other precious metals does not list local prices of scrap metals		Akhil
Recycle Toss	Android	Paper toss game	No real value other than playing a game		Akhil
Columbia,SC	IOS	Shows when the garbage truck will come. It will also s you drop-off locations.	Only is for the city of Columbia,SC	make it so everyone can use it	
Recycled Crafts for Decorating	Android	1) helps people use trash to create things like crafts a	the pages keep blanking out	make sure the pages don't go away add a creative crafts section to the app	Salil
Recycle for MK	Android	helps residents in Milton Keynes how to recycle helps for bin collections tells the user what he or she can recycle shows local recycling centers	it is inaccurate on holidays where ther only for milton kenyes	make sure it is accurate more than one city	Salil
Waste Less	IOS	shows recycling collectors near you has a tutorial	only works in China	make it so the whole world can use it	Aakash
	android	Has different parameters like centers,bins	Location shows US maps but no cent	Need to provide additional information	Vamsi

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Trash2Treasure	IOS	Shows you where waste and recycle centers are for diff thing has a tutorial	the app is really slow and crashes	make the app so that it would be faster and won't crash	
Halifax Recycles	Android	1) you can find out what goes where 2) sometimes, many items appear in the list	1) does not work with all addresses 2) if you click everywhere on the screen, nothing comes up, not even a menu 3) when searching for item that needs to be recycled, a very small list of items comes up	1) we can put a mini menu that can give options to see what you have searched for in the past 2) we can put as much as options as we can in a search bar at the middle of the screen when the app opens up	Safal
Bulk	Android	1) you can search stores with a zip code	1) you cannot zoom in 2) screen in a small font 3) every time you click something, it tells you to restart the app	1) we can put a little zipcode bar at the top corner of the screen 2) we can put the words in a big font 3) we can put stores that people can buy in bulk	Safal
Bin It Your Way	Android	1) it is a game that you have to collect litter and you get a score at the end of the game	1) it can get blurry and you might not be able to play it again 2) when you open the app the screen turns black and nothing happens	1) we can put a game mode to collect trash in the environment and protect the animals that live there 2) we can set a timer that at the end of the game you can get a final score and if you get a certain score, and if you put your address on the main screen then your house will be green, instead of black	Safal
recycleon	Android	1) it is a app that shows how wasteis removed	1) all you do is read 2. there is no maps	1. we can use maps and gamification to make it more fun. 2. we could use something that help the person search the app for where to throw things away	Pearl
recycle	Android	1) they have maps 2) the have a search button 3) they have a selection of things to choose	search button is not accurate crashes sometimes the soft ware freezes	1. we could add gamification reduce the bugs	Pearl
Recycling CY	Both	1. they have maps 2. you can search	you cant zoom in sometimes the page is blurry	1 make it more fun 2 fix the bugs 3 use the point sysetm	
Recycle Smart	IOS	says if you have to recylce or throw it in the trashc if it can't be recycled or wasted, it shows you a alternat has a tutorial	kind of hard to use	make the app easier to use	Aakash
RecycleApp	Android	it tells you recycle points it tells you which you can recycle and which you can't you can scan products for recycling info you can play a bin game	there are so many options it is hard to find which is which	make the app so that there are less catogories	Aakash
Ottawa Recycle	Android	It tells you a pickup schedule for trash	Only for the city of Ottawa	make the app so everyone can use it	Aakash

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What to Recycle	Android	It tells you what can be recycled and what cannot be r	doesn't tell much information	make the app so that it has more information	Aakash
Maryland Recycling	Andriod	it gives you recycling centers all over maryland	only for the state of maryland kind of hard to use	make it so that all the states could use it make it easier to use	Aakash
Recycle and Create	Android	helps learn about the environment reuse and recycle materials teaches you how to make things with old items	some video content is not working	make sure everything works	Saili
Recycle for Southhampton	Android	gives info about waste and recycling in southampton gives locations on where to dispose different kinds of wastes	only in southampton	have it so it works everywhere	Saili
ShoeBox Recycling	IOS	has contests has blogs has a tab that lets you be social with other users	maybe not so safe all ages allowed	make the app with an option for age group that is editable	Sriya
RecyclingCy	IOS	has different types of recycling options has an information menu describes benefits of recycling	not for the whole world	make the app so that eveyone can use it an benefit from it	Sriya
Curb It	IOS	has collectin day options more than 1 language can schedule pickups shows locations of recycling centers has alerts	only for the city of Charlotte	make the app so that anybody anywhere can use it	Sriya
Recology	IOS	helps you make a schedule for what you recycle shows porblems with the app	no gamification	add some gamification to the app to make it fun	Sriya
WeRecycle	Android	1) all you have to do is, login/register, select the type of item(s) that you're recycling, put your address, and you are ready to go	1) does not have a menu 2) it is a satelite map, not a street map	1) we can put a menu in the topleft corner and label it 2) we can map, but a street map and the distance from wherever you are, to the recycling bin/center	Safal
My Resouce		2) instead of throwing cans into the trash, this app makes it much better			
Recycling Perks	IOS	1) rewards users for recycling 2) has a search bar for different materials 3) reminds user when trash is being collected 4) allows you to report a problem 5) emails you alerts	1) no reviews 2) not popular enough	we can make our app similar to this but make it more popular	Sriya
Columbia, SC Solid Waste	IOS	1) allows you to search up address to find collection d 2) allows you to report a problem 3) allows you to search up the material	1) only for Columbia, South Carolina	make the app so anyone can use it	Sriya
Love Your Leftovers	IOS	1) helps you use leftovers for another meal 2) minimizes waste and maximizes taste 3) lets you search up what to make 4) helps you plan to buy the right amount of food 5) different languages		add a place to put in more and new recipes	Sriya
TrashSmart	IOS	1) allows you to enter zip code 2) can search categories	1) only for San Francisco, CA 2) doesn't let anyone do anything(rev 3) crashes within seconds	make the app so anyone can use it make an app with no bugs like this one	Sriya

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Kingston Recycling	Android	notifies you when the garbage truck is coming	only works for the city of Kingston	make the so anybody can use it	Aakash
Victoria Waste	Android	tells you when you should put your garbage on the cu	only works for the city of Victoria	make it so everybody can use it	Aakash
QB Waste	Android	tells you when the garbage truck is coming if you miss the collection, you can call the company	only works for the city of Qualicum Be	make it so everyone can use it	Aakash
Okotoks Waste	Android	tells you when you can put out your recycling and tras	it only works for the city of Okotoks	make so anyone cn use the app	
Garbage Truck	iOS	Truck collecting garbage More of a game not an app			Vamsi
Penrith Waste Info	Android	tells you what day the garbage truck will come	only for the city of Penrith hard to use	make it so everyone can use it make it easier to use	Aakash
Eviana 1 [1]	IOS	1. Teaches children how to recycle 2. Ages 4+ 3. Has gamification	1. Game doesn't exactly show which tr	Label the recycle bins for the children to understand better	Laasya
Recyclemanager	Android	1) has a menu on every page 2) has a calendar in case if you forget when to recycle the trash 3) can help seperate waste better	1) crashes/freezes	1) instead of just putting a menu on the app's main screen, we can also put one on every page/screen in the top left corner	Safal
Kids Recycling Education	Android	1) helps kids learn how to sort trash into the correct bins 2) kids play and learn at the same time in an entire classroom/entire house 3) kids earn a badge after completing any level out of 10 levels	1) addicting to little kids 2) crashes, but very small amount of times	1) we can put a game mode for kids to learn, and to sort out trash into different recycling bins	Safal
Recycle First	Android	1) lets you search 2) has a recycle guide 3) has a spot for questions 4) has a drop off finder 5) all of this makes up the main menu	1) crashes 2) doesn't have a lot of recycling materials to search	1) we can put many recycling items to search 2) at the top, we can have a thing that says "report a problem"	Safal
Recycle for Southampton	Android	1) has a barcode scanner 2) many items to recycle 3) gives you location 4) updates	1) only for Southampton 2) has a very organized schedule 3) crashes a lot	1) stability, so the app does NOT crash 2) we can make the app update	Safal
Recycling CY	Android	1) has a menu 2) gives you location	1) kind of crashes 2) menu is not organized	1) keep a menu and organize it	Safal
Recycle for Ashford	Android	1) very organized menu 2) has a barcode scanner	1) cannot update 2) crashes	1) we should make the app look nice and organized 2) make the app stable, so it doesn't crash	Safal

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		3) calendar & schedule	3) when the app finally got fixed or updated, it still didn't work		
Recycle Game	Android	1) lets kids know how to sort things out into the correct trash can/bin 2) it has a score	1) says which material goes in the bin but not as your playing the game	1) In a game mode we can put the bins in a color coordination so it will be easy to play in the game mode 2) in the bins we can also put the type of material that needs to be recycled in words so nobody gets confused	Safal

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Recycle Nation	IOS	1) shows locations all around the		add barcode op	Davesh	
		2) includes store information				
1800Recycling.	IOS	1) shows all typ	1) old version o	add barcode op	Davesh & Safal & Salil	
iRecycle	IOS	1) breaks down trash from groups to specific item			Safal & Salil	
		2) provides locations nationwide				
		3) allows users to keep the app up-to-date				
MyWaste		1) search bar is	1) can't automatically get your lo		Davesh	
2) colorful	2) less data					
3) gives data o	3) has only a search option					
Fort Worth Garbage...			1) only for one city		Davesh	
2) not user friendly						
Waste Atlas	IOS	1) talks about a	1) no way to un	1) should have	Aakash	
2) no category f	2) category for waste produced by continents					
3) doesn't calculate waste produced by category						
Denver Recycli	IOS	1) talks about a	1) talks about only Denver		Pearl	
2) search button is inaccurate						
3) too many ads						
4) looks unprofessional						
Irvine Recyclin	IOS	1) has garbage	1) only for city of Irvine, Californi		Aakash	
2) shows nearest recycling plant						
Boston Trash D	IOS	1) heads up for	1) only works f	make the app s	Aakash	
2) when garbage truck is coming						
Covanta Game	IOS	1) teach about	1) not informati	use the idea of	Davesh	
2) has gamifica	2) has only 2 games					
USDA	IOS	1) helps reduce	1) only suggest	implement this f	Davesh	
2) suggests alternatives						
Freecycle + Tra	IOS	1) can have gar	1) not every cit	can use crowd	Davesh	
2) gives/tracks your location						
Y Waste It	IOS	1) saves food s	1) not free	we can use the	Davesh	
2) many search	2) only one part of trash is covered					
Recycling Truc	IOS	1) can teach littl	1) paid	we can make di	Davesh & Salil	

2) good for Pre	2) only for young kids					
Recycle!	IOS	1) gives ideas	1) only in Belgi	can make som	Salil	
2) can only sort electronic waste						
Recycle HD	IOS	1) info on how t	1) for kids only	add GPS to sh	Salil	
2) no info on local recycling centers						
3) paid						
Recycle Hero F	IOS	1) teaches abo	1) crashes som	add something	Salil	
2) includes having player clean up trash						
3) make player compost trash						
Delaware Recy	IOS	1) shows every	1) only for state	make the app s	Aakash	
Olathe Trash D	Both	1) for both IOS	1) only for the c	make the app f	Sriya	
2) alerts for when to take the trash out						
3) shows where to take hazardous waste						

[1] Eviana 1