

<The DormBot> Team 1

Project Team Members

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 4. **Devil's Advocate/Critic/"Jack of all Trades":** Kyle Cress
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1. Executive Summary (Overview)

The DormBot: a model roommate that will help out around your dorm while pressuring your roommate to do the same. The design is catered towards college students, but the product can be useful for anybody living with somebody else. No matter how hard you try, something is going to get you upset at your roommate, and that's where the DormBot can help. The DormBot aims to have ideal hygiene by cleaning the room, smelling nice, and having a good sleep schedule. Whenever your roommate throws something on the floor, starts to smell, or stays up too late, point to DormBot. It'll pick up the mess, smell nice, and power down at appropriate times. The DormBot companion app even allows for additional customization. Choose a sound to play when your roommate is causing problems, change the friendliness, see your room through its cameras, and change how clean your DormBot keeps everything depending on what you need!

2. Market Research and Need Justification

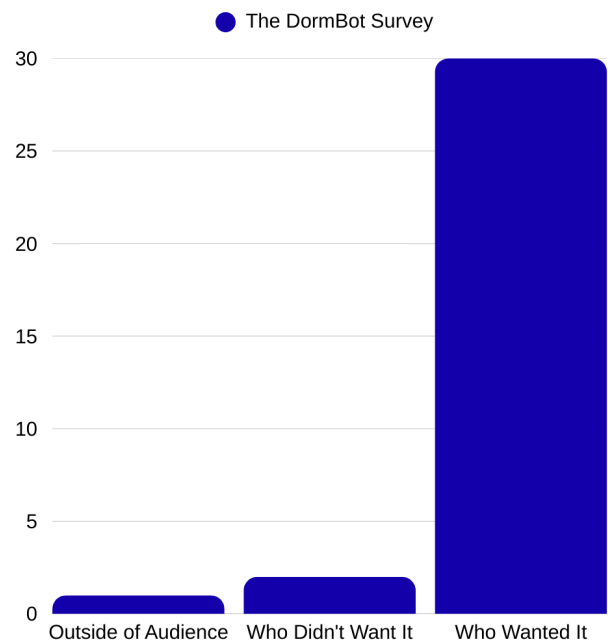
The DormBot addresses the unmet need of and for a good roommate and gives all those people and college students with bad or unsatisfactory roommates a financially feasible solution to that problem. A robot roommate that is identical to their current roommate but better and perfect in every way. A robot roommate that will make the dorm of every student a home. It will clean, it will do any chores you want it to do and it

will even teach your current roommate to be better and will even discipline them and rehabilitate.

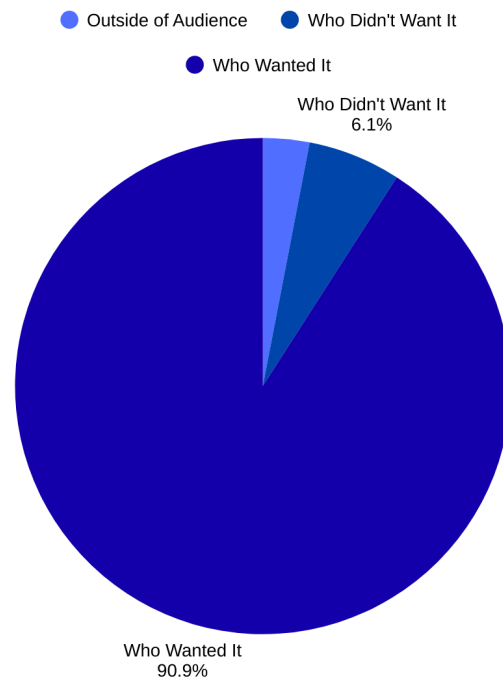
Yes, there are other existing solutions to the unmet need of a good roommate such as roommate finding apps like Roomster, Roomi and Diggz and social media groups and online forums but they only help find a roommate and there is no telling if they will be good or not. Those others also don't help if you already have a roommate and they definitely don't help if you have a bad roommate. Our product, the DormBot does all those things that these other so-called "solutions" to the unmet need of and for a good roommate don't. Our product gives them a good roommate, they don't have to go out and find one and hope if they are good or not. Our product also gives them a way to make their current roommate better, something that those other solutions don't come close to doing.

We know that our product is wanted and has high demand because of a survey that we did right here on campus. We surveyed 33 RIT students who have roommates and 30 out of that 33 said that they would be interested in buying our product with only 3 saying no.

The DormBot Survey



The DormBot Survey



3. Product Description

The DormBot Counterpart app (paid subscription) offers customizable settings to make your DormBot the roommate you desire. Upon starting the app, the user is shown the CORE features of our app along with an emergency kill switch to quickly shut the DormBot off if necessary.

1. DormBot Behavior Settings (DBS). Each mode comes with a dedicated scale to determine the intensity of the behavior. Mixing and matching is encouraged!
 - a. Freewill Mode (use at your own discretion)
 - i. Freewill mode scales from manual instructions → automated decision making. This decides how much interaction will be necessary for DormBot to function independently on a day-to-day basis.
 - b. Organization Mode

- i. Organization mode's function is in the name. This scale decides how organized or chaotic you want your DormBot to be. Ex. How much of a mess Dormbot will leave in its daily activities
 - c. Cleaning Mode
 - i. Cleaning mode allows the user to scale how well DormBot cleans its personal messes or even the messes you create.
 - d. Roommate Acclimation Mode
 - i. This scale will change DormBot's methods to facilitate your roommate to be an ideal roommate.
 - ii. When closer to the "Intimidation" side, DormBot will more frequently make use of threats, swap to a stern voice with preset recordings to scold your roommate, and a various set of disappointed or frustrated facial expressions to display towards your roommate.
 - iii. When closer to "Friendliness," DormBot will
 - e. Granted Unilateral Neutralization (G.U.N.)
 - i. Grants DormBot access to DormBotNeutralizer™ against any roommates within immediate proximity
 - ii. The DormBotNeutralizer™ is a self-defense tool made to stun an overly aggressive roommate who shows intentions to destroy or severely damage the DromBot
 - f. Sleeping Procedures
 - i. Allows user to set an ideal custom wake-up and sleeping schedule for DormBot
 - g. Ideal Fragrance
 - i. DormBot has a variety of fragrances to emit that a user would expect from a proper roommate. If a user is looking for anything specific, they may request a custom fragrance from a vast list on our company page. If a certain fragrance is not available, the user may request a special fragrance to be added for an additional fee.
- 2. Bot's Dorm Supervision Mechanics
 - a. Security
 - i. Police notification
 - ii. Routine patrolling within dorm
- 3. DormBot Active Camera (DBAC)
 - a. Remote Control
 - b. 24/7 Surveillance on roommate, deactivateable at any time according to the user
- 4. DormBot Visual Customization (DBVC)
 - a. Color slider and HEX input to change dormbot's visual aesthetics!
 - b. DormBot Custom+ Model required for more decal customization

DormBot

Core



Dormbot Behavior Settings



Bot's Dorm Supervision Mechanics



DormBot Active Camera



DormBot Visual Customization

EMERGENCY SHUT-OFF

[Rate Us](#)

Bot's Dorm

Supervision Mechanics

Security



Police Notification



Routine Patrols



Lock Schedule

DormBot Behavior Settings

Free Will [WARNING: USE AT OWN DISCRETION]

Chaotic

Organized

Messy

Spotless

Intimidation

Friendliness

Grant Unilateral Neutralization
[G.U.N]

ACTIVATE

Extra
Settings

Extra Settings

Sleeping Procedures

Wake Up: _____

Sleep At: _____

Ideal Fragrance

Putrid

Fresh Shower



None

Deodorant



Request Custom Fragrance

4. Possible Issues and Counterarguments

The DormBot is a very advanced solution to dorm/apartment stresses. However, some people might think of potential downsides to having a near sentient robot companion with such extensive abilities. The first potential issue with dormbot is that any sane person you would be rooming with would be rightfully terrified of the machine overlord that you have let move in rent free. The constant monitoring and threats are sure to drive any roommate away, pesky or not, creating an isolating experience for the user. This could potentially be a problem for people who still care somewhat about their fleshbag roommate. However, with some more coercion from the machine, your roommate will be too scared to leave at all, so it's a win-win for everyone and [science](#) shows that fear is an effective medium of control.

The second potential problem comes from "free will" mode. As the machine acts essentially as an unpaid laborer, it having free will seems bound to create tension within the home. It seems to me that within days, there will be class warfare in whatever living situation you occupy. But do not fret, "free will" will soon be patched to still allow for the direct control of the machines every thought as to avoid class consciousness.

The third potential problem I have found is that with such a perfect roommate as dormbot, you may become lazy and incapable, like the people in Walle. This could be a serious problem for the future of America. However, the instant you become as terrible a housemate as your roommate initially was, the machine will soon begin berating you as well, acting as a sort of life coach and rehabilitating you effortlessly.

The need for roommate conditioning is essentially an untapped market, primarily due to its lack of ethics, allowing for rapid market expansion. However, I worry more so about the financial logistics of making highly capable automatons marketed primarily towards broke college students. It will be very difficult to integrate this wide feature set while remaining at a feasible price point for our primary customer base. Perhaps a slight narrowing of the scope of this project is necessary to make it work. Also, with such complex functionality, it is clear that we will need an evil scientist type figure on our staff ASAP.

5. Conclusion and Recommendations

- Strong summary of key points
- Clear articulation of potential impact
- Compelling call to action
- Reinforces main arguments effectively

The DormBot will help shape your roommate into who you need them to be. With multiple cleaning and customization features the DormBot can provide positive and negative feedback to your roommate while you just stand back and watch. Other apps may help you find a “good” roommate, but nobody’s perfect. The DormBot aims to fix that. By using DormBot, more connections can be made between roommates, and more time and energy can be put towards the important parts of college. “I hate my roommate, they’re so messy” becomes “I love my roommate, the room is so clean!” Don’t worry about the price; by using subscription based pricing, the DormBot can be purchased only for as long as it is needed.

If you still doubt that people would want the DormBot, look at a personal survey we conducted on RIT students themselves. 90% of students we interviewed had interest in the product. We recommend investing now, while demand is high and competition is low. The DormBot is an untapped market, and is ready to be established as a leader in its field.

6. Appendix

Yadav, Ajay. 2015. *Roomi*. Version 6.13. Apple App Store. [Roommates by Roomi on the App Store](#).

Shriber, John. 2016. *Roomster*. Version 1.16. Apple App Store. [Roomster Roomie Rooms for rent on the App Store](#).

Burstein, Rany. 2017. *Diggz*. [Diggz | Roommate Finder. Rooms for Rent & Apartment Rentals](#).

Musk, Elon. 2010. *Tesla*. [AI & Robotics | Tesla](#).

Dormbot example images created by Jonathan Alava

Academy of Ideas. (2018, March 22). *Fear and Social Control*. Academy of Ideas.

<https://academyofideas.com/2015/11/fear-and-social-control/>

Additional Images From Market Research Competitors

DormBot Survey		
30	2	1
Those Who Want it	Those Who Don't	Outside of Audience
Jose Sales	Joe Bufano	Jon L
Nico S	Liz	
Nikki Traci		
Min G		
Andrew D		
J. Burt		
Yes		
Liam		
Shylar G		
yes		
□		
Brandon		
Lancelot		
yes		
Andrew		
yes		
yes		
Sure		
Sure		
greg		
yes		
Kobe Bean Bryant		
Kneeset bread		
Vladimir Putin		
Tina		
Me		
11		
Lebron		
Curry		
Kobe		

Signatures for our survey conducted on RIT students



An existing robot by Tesla

