

CS 307  
Spring 2018

# PRODUCT BACKLOG

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# 1ance

## TEAM 29

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## Problem Statement

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In today's world, eager young minds and students with various skills are vastly spread out through a college campus. Our project 1ance is an opportunity for those with specialized skills to sell their unique services to those around them. 1ance is intended to create opportunities to link peers who are either interested in offering their skills for compensation or those who are want to request services from other students. Our application is only intended to be utilized within Purdue University via a web application.

## Background Information

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### User Audience

Our audience is limited only to students and faculty with a valid Purdue email. This ensures that the 1ance is maintaining its exclusivity and offering students a competitive market untouched by professionals.

### Similar Platforms

There exists several freelancing platforms and groups that achieve a similar goal to that of ours like, the Purdue exclusive "Free and For Sale" Facebook group, Upwork, Craigslist, Guru and Elance. Free and For Sale is a timeline based classified listing services offered by other Purdue students. Upwork, Guru and Elance all focus on finding professionals such as Software Engineers, Accountants and Consultants work in their related fields. Craigslist on the other hand lists property for sale and work classifieds alongside various other services.

### Limitations

Each of these services have a considerably large audience. However, scrolling through Facebook's chronological timeline or navigating Craigslist's archaic UI for a specific service is like finding a needle in a haystack. Meanwhile services like Upwork, Guru and Elance cater more towards the post graduate professional blowing the average college student's relatively less experienced resume right out of the water. Some of these other services limit their users by regulating what services can and

cannot be listed and are also very strict about credentials which many college students often lack.

## Why us?

With 1ance, we intend on integrating a modern and friendly UI that is tailored to a more aesthetically critical generation. Our domain is services. Our goal is to create a platform that keeps the competition within the Purdue community and therefore evening out the playing field. Therefore, 1ance is a platform where students and faculty of Purdue can take advantage of exclusive opportunities in and around campus.

This web app will be categorized by big genres such as Items, Tutoring, Groceries, Services and Misc. For example, if a user is interested in receiving a haircut, they may either find it under the services tab or simply they could post a request in their own category in the hopes of finding a student barber. Unlike our competitors we don't limit our users to predefined categories but allow for the user to define their own category and make that category visible too on our platform. 1ance is primarily different in the fact that unlike our competitors our aim is to not find our users a stable job but a gig to make a quick buck on the side.

## Requirements

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### Functional

*As a User,*

1. I would like to be able to sign up on 1ance using my Purdue email and password.
2. I would like to be able to make a personal account on 1ance.
3. I would like to be able to create a profile on the platform.
4. I would like to be able to upload and remove my personal documentation to my profile so that viewers will be able to determine my credibility.
5. I would like to be able to add and edit my skills.
6. I would like to be able to add and edit courses that I have taken at Purdue.
7. I would like to be able to add and edit a summary on my profile.
8. I would like to be able to add and edit links of other relevant accounts (LinkedIn profile, portfolio link, etc.) to my profile.
9. I would like to be able to upload and remove a cover photo on my profile.

10. I would like to be able to edit and remove my personal information on my account.
11. I would like to be able to see number of reviews given.
12. I would like to be able to see the average rating given to me.
13. I would like to be able to see the average rating given to other users.
14. I would like to be able to look at a list of reviews on my profile.
15. I would like to be able to look at a list of reviews on other user's profiles
16. I would like to be able to view the name of the user who wrote me a review.
17. I would like to be able to view the content of all reviews on my profile.
18. I would like to be able to view the number of stars a reviewer left me.
19. I would like to be able to login to my account using my credentials.
20. I would like to be able to sign out of my account.
21. I would like to be able to directly message other users using a chat system on 1ance.
22. I would like to be able to view other users' profiles including information they have made public.
23. I would like to be able to view a list of reviews on other users' profiles.
24. I would like to be able to view the average rating on other users' profiles.
25. I would like to be able to view stars by each user who has written a review on another user profile so that I am easily able to navigate between a low and a high rating review.
26. I would like to be able to scroll through a feed that shows me open posts for services offered.
27. I would like to be able to scroll through a feed that shows me open posts for services requested.
28. I would like to be able to make posts about services I am offering on 1ance.
29. I would like to be able to specify the amount of money I am charging for my service, on my post.
30. I would like to be able to specify the amount of money I'm willing to spend for a service request, on my post.
31. I would like to be able to close my old post.
32. I would like 1ance to exclude closed posts from my feed.
33. I would like to be able to browse all open request on 1ance to find my desired posts.
34. I would like to be able to browse all open offers on 1ance to find my desired posts.
35. I would like to be able to create my own tag on the platform if none of the existing tags define the service I offer aptly.

36. I would like to be able to separately view requests and offers for services in two distinct feeds. (if time allows)
37. I would like to be able to filter services using tags. (if time allows)
38. I would like to be able to sort services on my feed using highest or lowest user ratings. (if time allows)
39. I would like to be able to sort services on my feed based on their posting dates. (if time allows)
40. I would like to be able to search for a user using their name. (if time allows)
41. I would like to be able to click "interested" on open posts.
42. I would like to be able to see the number of users who have clicked "interested" on a post.
43. I would like to be able to see the name of the users who have clicked interested on a post. (if time allows)
44. I would like to be able to share a post of a request/offer. (if time allows)
45. I would like to be able to add comments on the discussion board of any open request and offer.
46. I would like to be able to view discussion boards of all open posts.
47. I would like to be able to rate other users using stars out of 5.
48. I would like to be able to review other users for their services I've experienced.
49. I would like to be able to report a user for misconduct, fraud, or any other sufficient reason.
50. I would like to be awarded a credibility badge by the 1ance platform for my presence on the platform. (if time allows)
51. I would like to be able to view credibility badge(s) on my profile. (if time allows)
52. I would like to be able to view credibility badges of other users on their profiles. (if time allows)
53. I would like to be able to add pictures to my reviews. (if time allows)
54. I would like to be able to view all pictures that are attached to reviews on my profile. (if time allows)
55. I would like to be able to view all pictures that are attached to reviews on other users' profiles. (if time allows)

### *As a Developer,*

1. I would like to be able to view and manage user accounts from the database.
2. I would like to be able to verify user accounts for validity.

3. I would like to be able to view and manage requests from the database.
4. I would like to be able to view newly created tags by users.
5. I would like to be able to make an official 1ance profile so that I can send official announcements to all users from our account, as well as, users being able to contact me directly without having to leave the platform, to give feedback and suggestions on our service.
6. I would like to be able to view usage statistics and user demographics.
7. I would like to be able to resolve any glitches or bugs within the platform.
8. I would like to be able to conduct scheduled maintenances by causing as little to none disruption in services as possible.
9. I would like to be able to award a user a credibility badge for their presence on 1ance based on their reviews and services completed. (if time allows)
10. I would like to be able to take away a credibility badge from a user if their level of service is not maintained. (if time allows)
11. I would like to be able to shut down the registration process.
12. I would like to be able to view reports sent about users.
13. I would like to be able to regulate content on the platform so they are in line with Federal, State and University Laws.
14. I would like to be able to regulate content on the platform so they are in line with platform guidelines.
15. I would like to be able to warn users of their actions on the platform if they are not in line with the Platform guidelines.
16. I would like to be able to remove a user if they fail to meet platform guidelines without prejudice.

## Non-Functional

### *Usability*

The platform should be simple and intuitive for regular users to navigate. The registration process involving verification of Purdue email should be easy and fast, taking less than 5 minutes to complete. Our website must be supported on all popular browsers, and be accessible on all resolutions and screen sizes.

### *Security*

The application should keep the user's account safe using credible authentication method and secure server connection. It should also secure user's contact and other sensitive information, and share only what he/she prefers to be

public. Further, a proper authorization system will be implemented to prevent information abuse.

### *Performance*

The server authentication should not reduce the speed of the application by a significant amount. Requests to and from the database should be reasonably quick and manageable. The user interface in addition to being attractive and modern, must be efficient and responsive. Moreover, our application should be able to support a large amount of users, and should not crash or become slow in responding. The overall response time of the application should be up to an average of 1000ms. It is also important that our server and application are robust enough to handle a large number of users and events on the website, with at least up to 10,000 simultaneous connections. Servers should be up 24 hours a day, and users should be able to access the website almost all the time, as well as between technical updates.

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