

Group Project Proposal

Team Name: MuchBetterThanOPENAI

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Q3: What is the problem you plan to solve?

The absence of a specialized internet marketplace makes it challenging for NEU graduates to sell or transfer their excess goods. Graduates typically leave school with a large number of reusable products, including appliances, furnishings, study aids, and everyday necessities. Many of these goods could have been used for many years and are in wonderful shape. Graduates who wish to resell their goods, however, struggle to locate qualified purchasers in the absence of a strong internet marketplace. Many objects are unsuccessfully transferred and eventually thrown away as a result of the inefficiency of traditional transfer techniques (such as offline ads or friend introductions).

In addition to causing graduates to waste these priceless resources, this circumstance strains the university and surrounding environment to handle the waste. It is necessary to appropriately dispose of the buildup of unused objects, and as most of these products are not readily biodegradable, their disposal has an adverse effect on the environment. Additionally, it frequently causes graduates more bother and annoyance because it takes time and effort to dispose of these objects.

However, the lack of such an internet trading market makes it difficult for many new students to obtain these affordable used goods. Their only option is to spend additional money on brand-new stuff, which not only adds to the financial strain at the start of the school year but also causes many things that could have been used again to lose their worth. In addition to increasing the quantity of products on campus in a short amount of time, the enormous number of brand-new items that new students acquire may also suffer the same problem of remaining underutilized and untransferable after a few years, resulting in a vicious cycle.

In addition to preventing graduates' resources from moving freely, the absence of an effective internet trading platform also results in new students wasting more money. All things considered, this resource waste represents not just a monetary loss but also a serious weakness in campus environmental protection and resource management. It will significantly improve the situation, help recycle resources, ease financial strain, and be consistent with the idea of sustainable development if an online trading platform tailored for NEU students can be created or implemented.

Q4: What is the idea to solve the problem?

We have developed an online trading platform named The Bugs, which offers a convenient and reliable means for NEU students to trade unused items, addressing the issues of resource waste and financial pressure encountered by graduates and new students.

The Bugs platform facilitates connections between sellers and buyers on campus, enabling students to efficiently post, browse, and purchase used items. Both graduating and new students can identify suitable trading partners on the platform. Graduates can efficiently list their surplus furniture, appliances, study materials, and other items, alleviating concerns about locating suitable buyers. This facilitates the prevention of item waste or disposal and enables the transfer of these items at a fair price prior to graduation, thereby alleviating the stress associated with leaving school.

The Bugs serves as a dependable platform for new students to purchase second-hand goods. They can acquire essential living and learning goods at a significantly reduced price compared to the market rate, resulting in substantial savings. This method of recycling goods facilitates a quicker adaptation to campus life for new students, eliminating the need for extensive purchases of new items. The platform enables new students to obtain financial assistance while facilitating direct engagement with the campus resource-sharing community and enhancing interactions with alumni.

The Bugs enhances transaction convenience and security via item classification, search functions, and credit evaluation systems. Students can engage in trading with assurance, mitigating the challenges and risks associated with conventional offline transactions.

The launch of The Bugs platform addresses the trading needs of graduates and new students for unused items while fostering an ecosystem for resource sharing and recycling on campus.

Q5: What topics of CSYE6200 will be covered?

- Class Definition
- Inheritance/Polymorphism
- Abstract Classes/Interfaces
- Generics/Collections/Iterators
- Lists
- Stacks
- Queues/Priority Queues

- Set/Maps
- Recursion

Q6: What tools will the team use to work on the final project?

- Eclipse
- Git repository
- Scene Builder
- Task Management Tools: EXCEL
- Documentation Tools: Google drive

Q7: What is your schedule of the project?

week1: Nov.6-10: system design

week2: Nov.10-23: coding and unit tests, script of video

week3: Nov.24-29: system tests

week4: Nov.30-Dec3: video recording