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|  | **HASAN KALYONCU UNIVERSITY****Computer Engineering Department****COME 499 Project Proposal Form** |

**Part I. Project Proposer**

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| **Name Lastname** | **Assist. Prof. Dr. Bulent HAZNEDAR** | **E-mail** | **bulent.haznedar@hku.edu.tr** |

**Part II. Project Information**

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| **Starting Term** |

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| **Title of the Project** | A Mobile App for Finding The Nearest Second-Hand Items |
| **Project Description** |
| In this project, an app will be developed for trading in second-hand items in your neighborhood or city. In general, the users who are using this application will post and sell their item(s) by taking a couple of photos, writing a short description, setting a price and a category. As a case study, the app will be like second-hand apps such as "Letgo", "Wallapop", etc. The items must be grouped, i.e., cars and motors, electronics, fashion and accessories, babies and children, sports, movies, books and music, home and garden, etc. With this app, you can go back and check how many times your item has been viewed and adjust the price if you’re getting a lot of exposure but not offers. The app must be fast to use, with most listings being featured in 30 seconds after submission. With its varied categories, it must offer a lot of breadth for searching and for making sure your item is noticed quickly. In addition, the app provides a messaging and notification features among users. |
| **Project Justification** |
| **Novelty** |
| **New aspects** | Users will have easy access to second-hand items sold in their immediate neighborhood. |
| **Complexity** |
| **Challenging problem and issues** | Ability to fast (almost in real-time)showing the posts closest to each user location. |
| **Related computer science fields and subfields** | Web API, DBMS, MVC |
| **Tools** | Visual Studio .Net, Agility Pack, Restful API (webservice), Sql Server, Oracle, etc. |
| **Risk involved** |
| **Potential problems and alternative solutions** |  |
| **Minimum work required** | 4 MONTHS(2 students) |