



BAHÇEŞEHİR UNIVERSITY
Faculty of Engineering and Natural Sciences

SEN2212 Data Structures & Algorithms II

Project Proposal

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Project Title 1: Dictionary System

Definition: The Dictionary System helps people to find the meaning of a word faster and learn more than one word. The system acts as a central database containing various words with their meanings and more synonyms. This is designed for a Turkish dictionary and the interface will be in Turkish and English. This Project is developed using JAVA, in this project two data structure methods will be used which are **linked list** and **tree**. Linked list will be storing the words with its related meaning. Moreover, users can add, delete, search and see words. For example, when the user search for a word, the system will show the meaning of it and its synonyms also, they will be shown as which is the common used, average used, and less used from the synonyms.

Project Title 2: Market Stock System

Definition: Market Stock System software project is a console application that acts as a central database containing different products in stock along with some information such as name, cost, count. This is designed for market managers. This Project is developed using JAVA, Linked list will be storing the count with its related products. Users can add, delete, search and see products and when they search for information of a product, the system will show its all information that are saved before. According to project, **linked list** and **tree** will be used.