



Bilkent University

Department of Computer Engineering

Senior Design Project

Project short-name: Overfind

Project Specification Report

Group Members:

Asena Rana Yozgatlı
Bartu Soykök
Burak Şenel
Mehmet Emre Arıoğlu

Supervisor:

Prof. Dr. Varol Akman

Jury Members:

Prof. Dr. Özgür Ulusoy
Assoc. Prof. Dr. Çiğdem Gündüz Demir

Innovation Expert:

Bora Güngören (Portakal Teknoloji)

October 9, 2017

This report is submitted to the Department of Computer Engineering of Bilkent University in partial fulfillment of the requirements of the Senior Design Project course CS491/2.

Introduction	1
Description	1
Constraints	2
Implementation Constraints	2
Economic Constraints	2
Security Constraints	2
Language Constraints	2
Professional and Ethical Issues	2
Requirements	3
Functional Requirements	3
Non-Functional Requirements	3
References	3

1. Introduction

It is not intuitive to search through all events to find one that suits our interests, or sometimes we can miss an event that we would enjoy/benefit otherwise. Our app aims to analyse user's social media and will try to recommend conferences and workshops that the user can benefit/enjoy.

1.1. Description

Our application will go through user's twitter to search for related hashtags (retweets, comments, likes, etc) and try to recommend conferences and workshops from Eventbrite that the user might enjoy attending to. We also want to add an option to connect user's Facebook account so that we can also search Facebook events for the conferences and workshops.

Our app will notify the user when there are new events to recommend. There will be settings to enable or disable the notifications. We will also gather information from time to time to keep our recommender up-to-date. We will also give user the option to update gathered information automatically or manually.

1.2. Constraints

1.2.1. Implementation Constraints

- The events that we will recommend are from what we can find from Eventbrite and Facebook event.
- The information about the user is limited by the information we can gather from user's social media.
- We will develop our app for android platform.
- To use our program user needs to be connected to internet.

1.2.2. Economic Constraints

- Our app will be free.
- Main source of income will be ads.

1.2.3. Security Constraints

- Since we gather information from users, the information should be kept private.

1.2.4. Language Constraints

- The information we gather will be both in English and Turkish.

1.3. Professional and Ethical Issues

As developers of this project, we are responsible for considering the components that are related to ethical issues. For instance protection of personal data is one of the biggest concerns. Personal data is a collection of useful and sensitive information about an individual. Use of this data can be harmful in many ways if it is used. Thus, this is a disadvantage when personal data is not protected properly. As the developers we will make design choices that prevent such problems.

2. Requirements

2.1. Functional Requirements

- Gathers information about the user.
- Finding events that user might like.
- Users can connect their Facebook account.
- We will use notifications to notify the user when there are new events to recommend.

2.2. Non-Functional Requirements

- Search should be relatively fast.
- It will check whether user likes the recommendation and use that information to make further recommendations.

3. References

1. <https://events.fb.com>
2. <https://www.eventbrite.com/developer/v3/>