**Name:** Christoph Prenissl

**Email:** christoph.prenissl@st.oth-regensburg.de

**Student ID:** 3174997

OSTBAYERISCHE
TECHNISCHE HOCHSCHULE
REGENSBURG

June 8, 2021

# IMDB Software to fetch data of Hollywood Actors and Actresses

**Task 4 Document - Project Report**

# Contents

# 1 Project Description

This project mainly consists of creating a Python client to fetch data of the *IMDB Top 50 Actors and Actresseslist* and also gather their movie data. The client uses an API to fetch all the basic actors/actresses list (4.1), the actor/actress About section (4.2) and all their movies (4.3). For Sections 4.4 - 4.7 Web-scraping is used to get awards data and ratings of the movies. The client is presented in a window based UserInterface where the user can click to gather the wanted information.

The further details of the specifics are handled in this document.

# 2 Tools, Modules and Data-Structure

# 3 High-level Design

# 4 Functionalities

## 4.1 List of all available actors and actresses

## 4.2 About the actor/actresses

## 4.3 All time movie names and years

## 4.4 Awards to actor/actresses in different years

## 4.5 Movie genre of actor/actresses

## 4.6 Average rating of their movies

## 4.7 Top 5 movies, their respective years and genre