



**WYŻSZA SZKOŁA BANKOWA  
w Poznaniu**

WYŻSZA SZKOŁA BANKOWA W POZNANIU

BACHELOR THESIS

---

# The Mango Messenger

---

*Authors:*

Petro Kolosov, Serhii  
Holishevskyi, Illia Zubachov,  
Arslanbek Temirbekov

*Supervisor:*

Dr. Szymon Murawski

*A thesis submitted in fulfillment of the requirements  
for the degree of Bachelor of Computer Science*

*in the*

Wyższa Szkoła Bankowa w Poznaniu  
Department of Computer Science

July 3, 2021

## Declaration of Authorship

I, Petro Kolosov, Serhii Holishevskyi, Illia Zubachov, Arslanbek Temirbekov, declare that this thesis titled, “The Mango Messenger” and the work presented in it are my own. I confirm that:

- This work was done wholly or mainly while in candidature for a research degree at this University.
- Where any part of this thesis has previously been submitted for a degree or any other qualification at this University or any other institution, this has been clearly stated.
- Where I have consulted the published work of others, this is always clearly attributed.
- Where I have quoted from the work of others, the source is always given. With the exception of such quotations, this thesis is entirely my own work.
- I have acknowledged all main sources of help.
- Where the thesis is based on work done by myself jointly with others, I have made clear exactly what was done by others and what I have contributed myself.

Signed:

---

Date:

---

# Partner Details

## A1. Mentor's details

First name and surname	Szymon Murawski
Degree	
Date and signature	

## A2. Team members' details

First name and surname	
Course of study	
Type of study program	
Date and signature	

First name and surname	
Course of study	
Type of study program	
Date and signature	

First name and surname	
Course of study	
Type of study program	
Date and signature	

First name and surname	
Course of study	
Type of study program	
Date and signature	

*“I fear not the man who has practiced 10,000 kicks once, but I fear the man who has practiced one kick 10,000 times.”*

Bruce Lee

WYZSZA SZKOLA BANKOWA W POZNANIU

# *Abstract*

Computer Science  
Department of Computer Science

Bachelor of Computer Science

## **The Mango Messenger**

by Petro Kolosov, Serhii Holishevskyi, Illia Zubachov, Arslanbek Temirbekov

The Thesis Abstract is written here (and usually kept to just this page). The page is kept centered vertically so can expand into the blank space above the title too...

## *Acknowledgements*

The acknowledgments and the people to thank go here, don't forget to include your project advisor...

# Contents

<b>Declaration of Authorship</b>	<b>i</b>
<b>Abstract</b>	<b>iv</b>
<b>Acknowledgements</b>	<b>v</b>
<b>1 Chapter Title Here</b>	<b>1</b>
1.1 Welcome and Thank You . . . . .	1

# List of Abbreviations

**LAH** List Abbreviations **Here**  
**WSF** What (it) Stands For



## **Chapter 1**

# **Chapter Title Here**

### **1.1 Welcome and Thank You**