



Food Delivery Application (Requirements)

Presented by Yusufjon Akhmedov

Agenda

- Introducing yourself
- Main goal
- Steps needed
- Every steps detailed

Introduction

*I am Yusufjon Akhmedov (Yusuf) first-year second semester computer engineering student. I have relevant experience in web programming, (Python, PHP, Javascript)
I am excited to find about requirement engineering stuff.*



- ❖ Defining
- ❖ Documenting
- ❖ Maintaining requirements of
Food Delivery Application

MAIN GOAL

1. Gathering
2. Analyzing
3. Specification
4. Validation
5. Management



REQUIREMENT **STEPS**

Stakeholders: public,
restaurants and deliverers

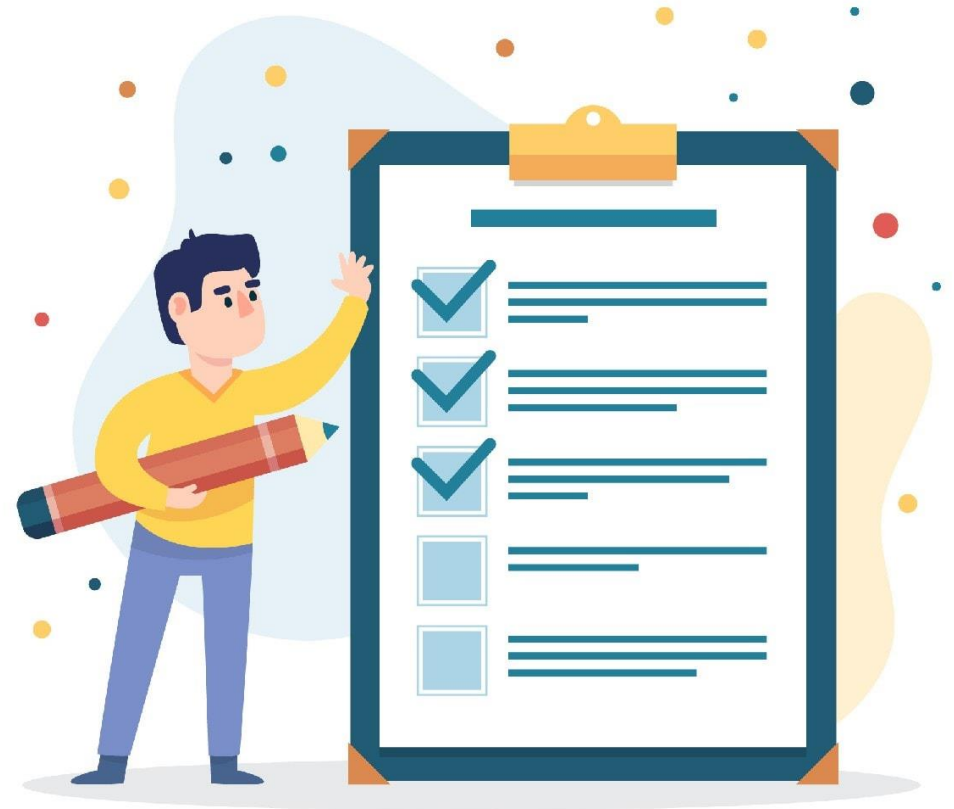
Surveys & Questionnaires

potential large number of users

online messengers, leaflets

Use Cases & Scenarios

Many examples and best practices



REQUIREMENT GATHERING

Functional	Non-functional
Register or login with Google or Telegram account	at least 100,000 concurrent users without performance issues
Roles: client ordering, restaurant accepting orders and provide to deliverer carrying the order from A to B.	Response time is up to 2 seconds
One order can include two,more items.	Order confirmation is in 5 minutes
Statuses of order presents the real process of food delivery: pending,payment, cooking, onway, done, cancelled	horizontal scaling using cloud services (AWS, Azure, GCP)
Ranking system for restaurants and EDT (Estimated Delivery Time) based on distance and traffic (Kakao Map) integration	Should support muliple langues , Korean, Uzbek, English, Russian

Inconsistencies
order cancelation, payment issues

Ambiguities
wrong EDT or doubling total price

Feasibilities
free delivery or discounts

REQUIREMENT ANALYSIS

Software Requirement Specification (SRS)

SRS Document Standard: [IEEE 830-1998](#)

Constraints:

- Budget: \$2,500
- Deadline: Final product through **20.05.2025**
- Technical limitations: FastAPI for backend, MongoDB data storage, Microsoft Azure to deploy, Kafka for notifications, Kakao Map (routing, EDT), Stripe, Kakao Pay for paying

SPECIFICATIONS

Meetup with restaurant owners: 25.03.2025

Reviews from users: YouTube, Instagram

Checking testability: Meeting with developers

Requirement VALIDATION

Tool for requirement management



Potential changes

- Client wants to add mobile application for tracking orders: +5,000\$, +1month, **approved**
- Telegram bot to order foods: +200\$, +1week, **approved**
- Monthly reports on graphical charts for each restaurant
- RestAPI with clear documentation for POS systems, +250\$, **approved**

Requirement Management

Q & A



Relevant questions or offers

