# Boda Boda - Motorcycle taxis in East Africa

**During this presentation :**

- INTRODUCTION
- Initial backlog
- Functional requirements
- Non-Functional requirements
- Roles & Responsibilities
- Work Organization
  - Work Distribution
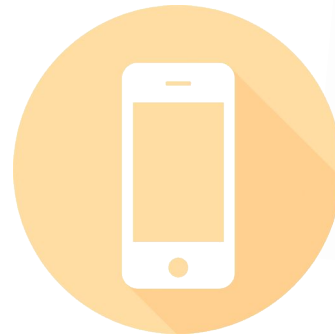  - Client Interaction
  - Meetings

- **Client : OKAPI finance**

  - Bank the unbanked by providing :

    - Providing financial inclusion
    - Increasing access to financial services
    - Minimizing transaction charges

  - Global money transfer company

    - Offering affordable cash transfer services

**BodaBoda : Mobile phone application in East Africa**

*Goal :* *Matching motorcycle taxi drivers and customers*

- **Customer :**
  - Customers could find the closest free driver
  - Find cheapest price
  - Know who is willing to drive them to their destination
- **Driver :**
  - Driver could state that they are free
  - Accept a request
- **App :**
  - Track the driven distance
  - Calculate a price
  - Handle the payment

- **Requirements -** The overall requirements (SRS) of the project

- **Diagrams**

  - Beginning stage : Diagrams that will help the group and stakeholders to understand the functionality of the system.

  - Later stages :
    - More Activity diagrams
    - Class diagrams
    - Sequence diagrams

# FUNCTIONAL REQUIREMENTS

- **Guest**
  - Account registration
  - Login

- **Customer**
  - Modify account information
  - Request a trip
  - Pay for a trip
  - Canceling a trip
  - See payment verification
  - Become a driver

- **Driver**
  - Modify account information
  - Change to availability status
  - Accept ride requests
  - Navigate to the customer
  - Set a mileage price
  - Set a fee price
  - Initiate the ride
  - End the ride
  - See payment verification

# NON-FUNCTIONAL REQUIREMENTS

- **Performance**
  - Support of multiple users
  - At least 98% uptime

- **Security**
  - Encrypt the user passwords
  - Encrypt the user payment information
  - Verifying user permission
  - Verifying user login

- **Software Quality Attributes**
  - Reliability
  - Usability
  - Long battery life
  - Maintainability

# ROLES & RESPONSIBILITIES

| NAME | ADDRESS | SPECIFICITY |
|---|---|---|
| Aleksandar acimovic | acimovic.alek@gmail.com | Project Manager, Developer |
| Zacharias Leo | zlo16001@student.mdh.se | Worktime tracker, Developer |
| Jonathan Major | jmr16009@student.mdh.se | Trello responsible, Developer |
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| Linus Sens Ingels | lis16001@student.mdh.se | Client communication, Developer |
| Stanislas Pedebearn | spn18013@student.mdh.se | Template creator, Developer Presentation assistant |
| Sireesha Kumari KulaR | ski18005@student.mdh.se | Developer |

# WORK ORGANIZATION

- **Weekly meetings**

- **Time reporting**

# RISK MANAGEMENT

**Creating a Risk Management Plan is a critical step**

**Possible risks**:
- Data loss

- Misinterpretation of client requests

- Missing the internal scheduled deliverables

- Lack of communication within team

- Estimation of resources

# WORK DISTRIBUTION

**Divided by knowledge of the members and all members are equal**

Main points of work distribution are:

- Equal amount of work
- Job in his area of expertise
- Reasonable amount of time to complete it
- Tasks can be completed in :
  - Sequential way
  - Parallel way

| | |
|---|---|
| Project plan | 22 november |
| Design description V1 | 6 december |
| Product V1 | 6 december |
| Project report | 17 January |
| Design description V2 | 17 January |
| Product V2 | 17 January |

| | |
|---|---|
| Project plan and requirement | 28 november |
| Preliminary design and implementation | 12 december |
| Final presentation | 16 january |

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# CLIENT INTERACTION

- First interaction by email

- Meetings are organised

- Requirements, implementation and design will primarily be discussed

- If any question or design / implementation problems -> we can task about it with her

- We check if the client is satisfied each week

# MEETINGS

- Meetings when necessary i.e. not on any fixed days.

- Discuss & Prioritize the tasks to be completed.

- Divide the tasks and responsible persons.

- Decide internal deadlines for completing the tasks.

- If something is unclear or is of high priority the group will try to schedule a live meeting, so the solutions of the problems can be discussed and implemented as fast as possible.

# QUESTIONS ?