

# DISASTER INFORMATION CELL



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# INTRODUCTION

- ❑ Provide authentic information about disaster and their exact location
- ❑ NGOs would perform necessary rescue/relief activities in disaster hit areas
- ❑ General public would be able to donate NGOs for relief operations
- ❑ Public would be able to view the progress of NGOs relief work
- ❑ System would identify the performance of NGOs as well
- ❑ Data Entry Operator will provide the information of disasters
- ❑ Generate reports about disasters, NGOs work and donations

# PROBLEM STATEMENT

Here are few problems which are the causes behind this idea :

- ❑ Climate change
- ❑ Shifting weather patterns
- ❑ Lack of forecasting technology
- ❑ 2022's Floods in Pakistan
- ❑ No centralized disaster information system



# EXISTING SYSTEM

Here are the few problems of existing system:

- ❑ Organizations are working manually
- ❑ No proper know how about all relief activities going on in disaster hit areas by other organizations
- ❑ Public isn't well informed about the right platform to donate for victims
- ❑ No proper source of authentic information without visiting the on ground realities
- ❑ No centralized data about victims that are being rescued or how much still left for rescue
- ❑ Organizations are lack of information of exact data about infrastructural damages to recover them

# PROPOSED SYSTEM

Proposed system will work on following objectives:

- ❑ Centralized platform of authentic information
- ❑ Helps to provide immediate response to rescue/relief activities
- ❑ General public can donate to any NGOs working for disaster hit areas
- ❑ District management provides the updates about current situation of effected areas
- ❑ Public would be able to see the progress of NGOs relief activities

# PROJECT SCOPE

- ❑ Risk Management
- ❑ Impact Reduction
- ❑ Control of Events
- ❑ Loss information Management
- ❑ Donation Management
- ❑ Reduce Damages and Deaths



# SYSTEM ROLES

There are three roles which are as follows:

- Admin
- NGOs
- DEO(data entry operator)





# SYSTEM FEATURES

## ADMIN FEATURES:

- ☐ Approve/Reject NGOs registration requests
- ☐ Upload registered NGOs data
- ☐ Manage NGOs account
- ☐ Manage donations
- ☐ Manage Disaster information
- ☐ Manage DEO accounts
- ☐ Manage relief activities information



# SYSTEM FEATURES

## ADMIN FEATURES:

- ☐ Generate NGOs reports
- ☐ Generate disaster reports
- ☐ Manage NGOs performance



# SYSTEM FEATURES

## NGOs FEATURES:

- ☐ Register as govt. registered NGO
- ☐ View information about disaster hit areas
- ☐ Upload relief activities information



# SYSTEM FEAUTURES

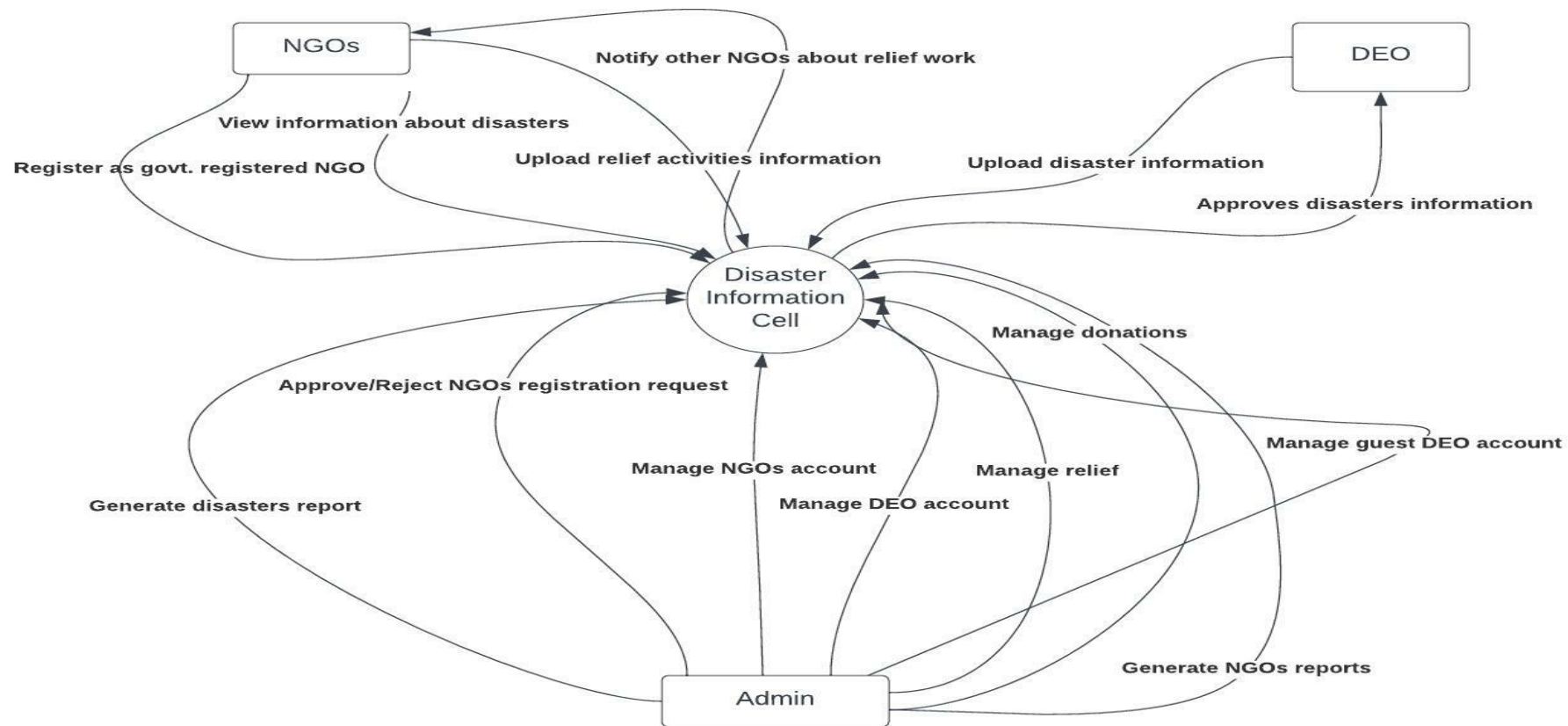
## DEO FEATURES:

- Manage disaster information



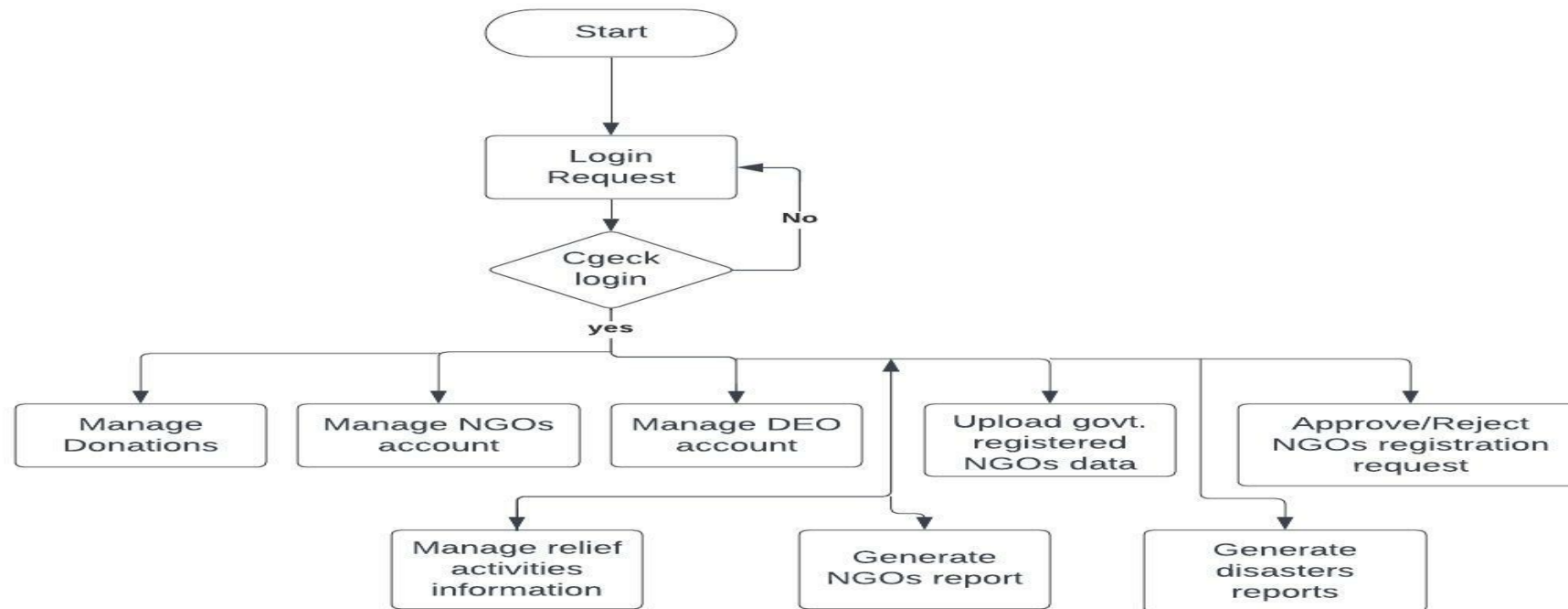
# SYSTEM WORKING

## □ CONTEXT DIAGRAM:



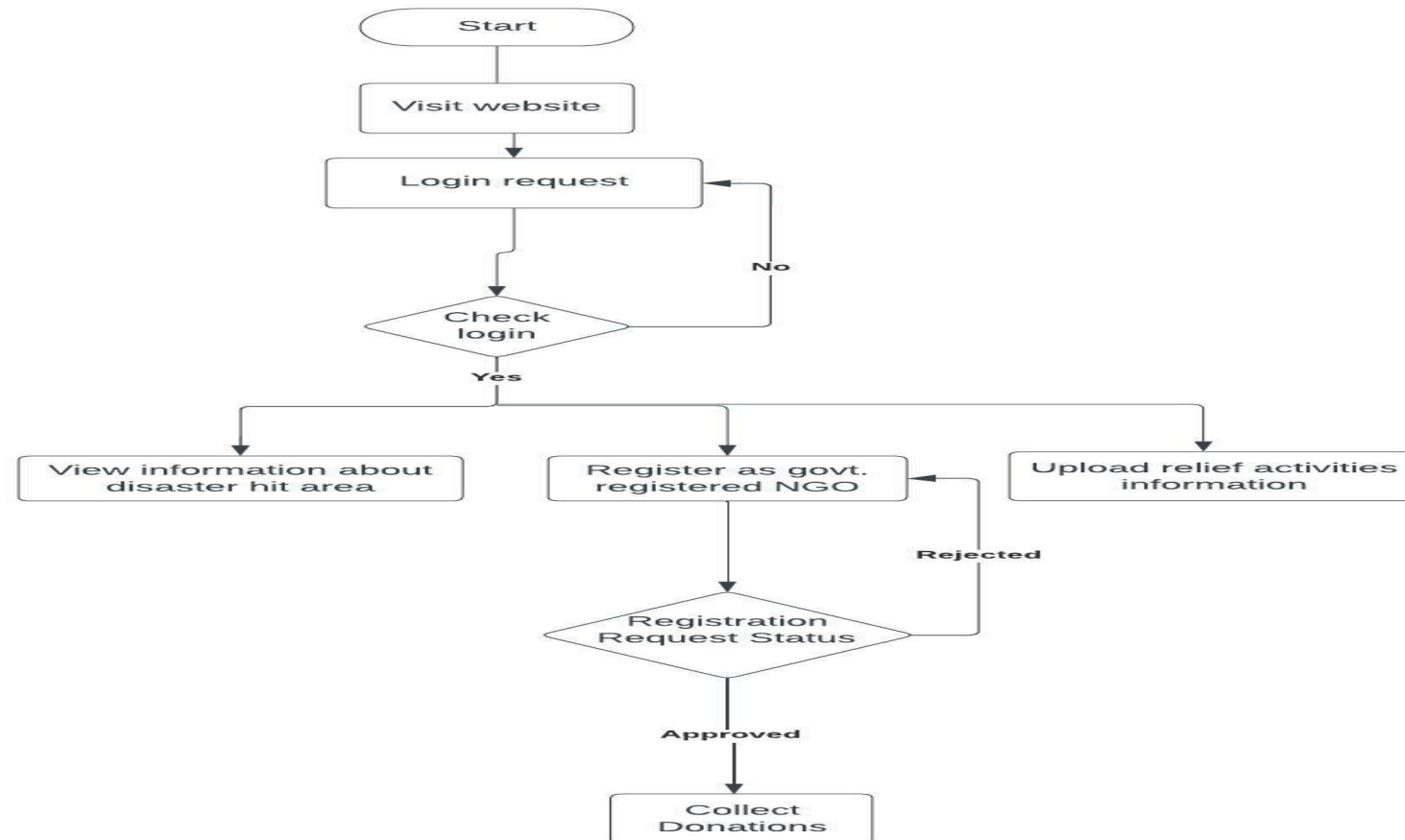
# SYSTEM MODEL

## □ ADMIN PROCESS FLOW DIAGRAM:



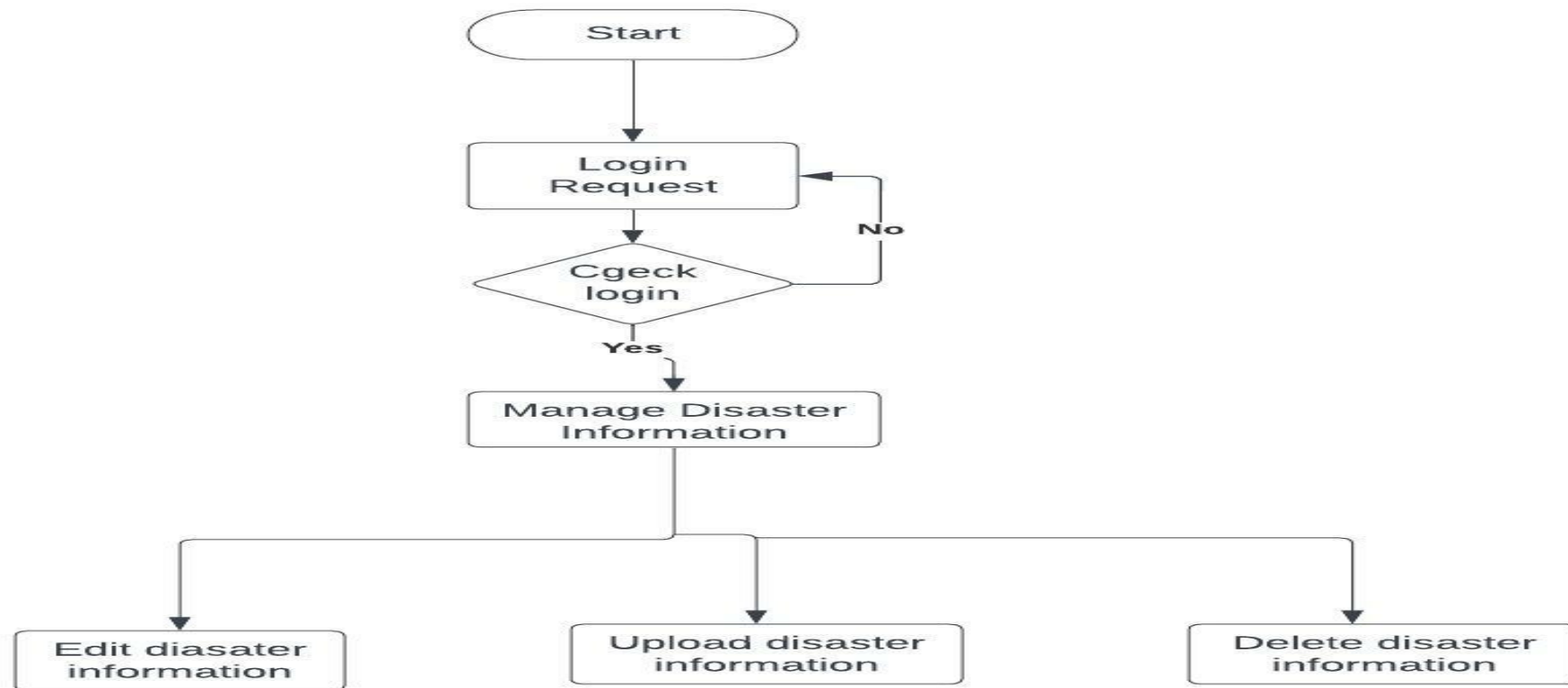
# SYSTEM MODEL

## □ NGOs PROCESS FLOW DIAGRAM:



# SYSTEM MODEL

## □ DEO PROCESS FLOW DIAGRAM:





# TOOLS AND TECHNOLOGIES

|                              |                                       |
|------------------------------|---------------------------------------|
| <b>Front End</b>             | <b>React, Bootstrap, Ant design</b>   |
| <b>Backend</b>               | <b>Node js</b>                        |
| <b>Browsers</b>              | <b>Google Chrome, Microsoft Edge</b>  |
| <b>Tools for Development</b> | <b>VS Code, Postman, Tortoise git</b> |
| <b>Database</b>              | <b>Mongo DB</b>                       |

# APPENDICES

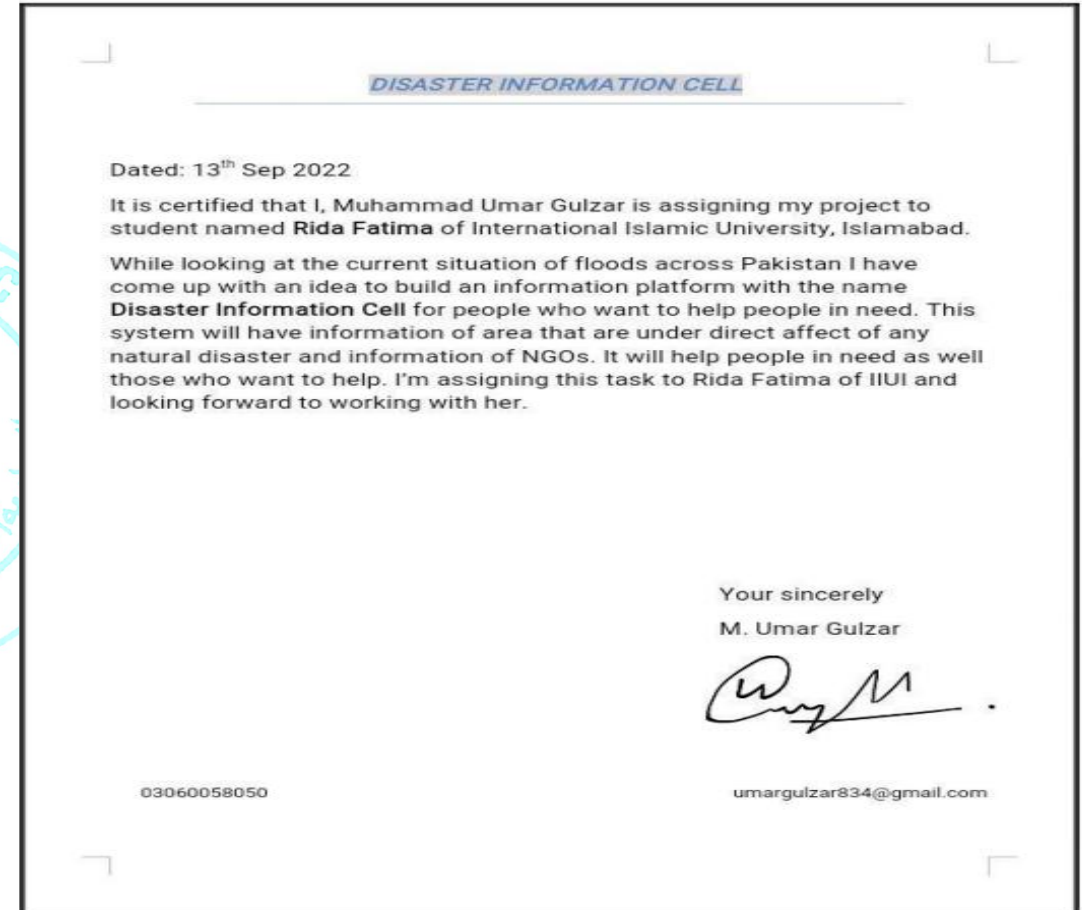
## Client Official Letter:

Client:

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Email:

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# REFERENCES

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**THANKYOU**

