

Subject: Humanitarian Aid Coordination System (HACS)

Project Objective The objective of this project is to develop an information system that supports the coordination of aid activities during crisis situations, such as natural disasters or ecological catastrophes. The system aims to enable efficient management of victim reports, resource distribution, communication between all involved parties, and monitoring and reporting on the status of aid actions. We aim to build a platform that serves as a support tool for aid organizations, volunteers, donors, affected individuals, and government representatives.

Description of Actors The system identifies five key types of users (actors):

- **Affected Individuals** – People who have suffered as a result of the disaster and need assistance. They can report their needs and track the status of their fulfillment.
- **Aid Organization** – Organizations such as foundations, associations, or NGOs that coordinate aid activities, manage donations, financial resources, and volunteers.
- **Government Representative** – A person representing local or regional authorities, responsible for monitoring aid activities, coordinating with aid organizations, and ensuring access to public resources.
- **Donor** – Individuals or entities offering material or financial support. They can donate goods, funds, or provide other forms of assistance.
- **Volunteer** – Individuals offering personal help, such as cleaning disaster-affected areas, delivering food, or providing other necessary services.

System Functions The project involves implementing a range of key functions:

1. **Managing Requests from Affected Individuals** – Allowing registration of requests from people in need, describing their current needs, such as food, shelter, clothing, or medical services.
2. **Resource Tracking and Management** – The system will enable tracking donations, human resources, and means of transport, allowing efficient distribution of aid to areas where it's most needed.
3. **Communication Between Actors** – The system will provide communication channels between aid organizations, volunteers, donors, and affected individuals, enabling the swift exchange of information and coordination of actions.
4. **Donor and Donation Management** – The system will allow donor registration, tracking of donations made, and generating confirmations and reports for tax purposes.
5. **Volunteer Management** – A management module will facilitate recruitment, task assignment, progress monitoring, and volunteer evaluation.
6. **Reporting and Monitoring Activities** – The system will enable generating reports on aid activities, resource status, the number of affected individuals, and assistance provided.
7. **Integration with Maps** – The system will feature a built-in function to display the locations of affected individuals, aid distribution points, disaster-affected areas, and delivery routes.
8. **Security and Authentication** – Implementation of security measures to protect sensitive data and ensure system access only for authorized users.
9. **Multilingual Support** – The ability to use the system in different languages, making it suitable for international aid actions.