



## Cover page

Project title: Side By Side.

Academic Year: 2022/2023.

Group Members: Laila Abu Safiya.

Department Name: Computer Engineering.

Sojod Jamous.

Project Type: Software.

Supervisor Name: Samer Arandi.

### Format:

- Single space, Times New Roman.
- 12 pt,
- Maximum 1 page.

### Abstract Body:

#### Items must be provided in the Abstract:

- Why do you think this project is important? Please explain the significance of this Project in brief.
- In your point of view what are the important aspects that should be covered in the project?
- Objective(s): In your view, please explain the main objectives of the project.
- Methodology: Give a brief outline of the application development process.
- Had this project been done before? Are there any similar applications available today?
- **Note:** Please deliver this abstract early to ensure that your Project has been approved by the department's projects committee. **Registration will not be done without this approval.**



---

## Project's Abstract:

Out of our love for our homeland, Palestine, we thought of a project that works to alleviate the suffering of the Palestinian people in the registration process for visiting prisoners in the occupation prisons, in addition to facilitating the process of coordinating visits programs for the International Committee of the Red Cross.

So this project is about creating a mobile application used by the families of prisoners who want to arrange a visit for them, and thus the application facilitates the process of booking visits for families and facilitates their communication using a direct chat with the International Committee of the Red Cross, the families being able of booking a visit through a page that contain the available visits in the during the month. They can click on the appropriate visit for them and see detailed information about it, also, there will be a reservation button for booking a visit, or they can inquire about the visit by pressing the query button, which allows sending an email. And the system will also provide certificates or paper proof needed by users, the user can choose the specific certificates they need such as a visit permit or arrest certificate, also, the user will be able to download them as pdf files to print them later, in the mobile application there's will be a part of the real-time chat to communication between prisoners families, so using it they can contact reassure each other and talk about news together, also, there's will be part to the latest news about the prisoners that is published by the staff in Red Cross. In addition, the project will contain a web portal for the staff of the Red Cross who deal with prisoners and prisoners' families, this portal enables them to coordinate visit programs for the families of prisoners, as it contains complete data for prisoners, their families, and prisons, which helps in organizing the process of coordinating visits, it enables them to communicate with the families of prisoners easily by the direct chat, also the portal will support real-time notification in case if there's any change in the visit it will send to all visitors in this day and if there is no respond from the user the staff will call to them, and the system will also provide certificates or papers Proof needed by the staff like health insurance and there's the ability to print them, also, the staff can publish the latest news about the prisoners. As a result, this project will facilitate faster communication between the International Committee of the Red Cross and the families of the prisoners than the traditional methods.

React Native and Node.JS are the programming languages that we will use to write the application and website. Also, we will use SQLite and DB at the backend. As a result, this project will cover all the needs of prisoners' families and provide them with services easily, in addition to that it will be a new version of the traditional method used by the Red Cross in tracking the conditions of prisoners and communicating with their families.