# Criterion B: Analysis

## Proposed solution:

At the start Adolfo and I consider some solutions to overcome the problem:

- Arrange invitation cards for the people who came.
- Send an e-mail attachment to let them know about the activities.
- Poster/Flyers posted around the neighborhood.

However after talking it through and several discussions, we have decided that the most feasible solution would be to create a website.

# Requirement specification

## IT system requirements

- Hardware – PC with an internet connection and a memory stick of 4GB for back-up.
- Software – Web design software Microsoft Visual Web Developer 2010 Express, Photo editing software Paint.NET, Word processing software Microsoft Word, Web browser Mozilla Firefox, Safari, Google Chrome, Internet Explorer.
- Web Space – to store the files.

## System interaction

- The website would need to work with the software on the ISP server
- Ensure that the website is able to functions correctly with all its features in most of the web browsing software such as Mozilla Firefox, Safari, Google Chrome, and Internet Explorer.

## Input/output requirements

Input requirements

- Text about the church, information and contacts details (which will be provided by Adolfo)
- Image files in jpeg format
- Audio files in mp3 format

Output requirements

- Features of the website to include home page, contact information, activities, news…etc
- Consistent page layout with colour and images.

## Processing

- Clicking on menu items to navigate through the website
- Clicking on the audio files to play a song/speech
- Clicking on the logo will return you to the home page

## Security

- The website files would be secured against unauthorized access by the use of a username and password protected system

## Specific performance criteria

1) A consistent layout, a blue colour background design
2) A interactive navigation menu bar
3) Provide an easy way of contact
4) Include a map, Google map
5) Add audio files
6) Include information and images, provided by the client

# Justification of chosen solution

We believe that the website will provide a better communication between the members of the church and will solve the problem of people being uninformed about the activities. Adolfo wants an easy and accessible yet cheap method of informing everyone in the church about the activities whether they had to come or not the day they gave some news. He feels that the best method in order to improve the communication between the members and other people could be made through a website. The alternative such as invitational cards would not be realistic for him since due to the fact that it is not a guarantee that all the members from the church will attend, this method would be a waste of money which he can't afford to happen since he has a limited budget to spend with. Also sending e-mails to the members would be a waste of time since not all of the members have e-mail. Producing posters/flyers, using desktop publishing software is not very efficient since he still has a full time work and would not be able to spend the time creating the flyers or distributing them.

Therefore, Adolfo felt that the website was a much better solution than the other ones, since it gives a sense of creativity and encourages the members to see the website and come along to the cults, and gives them something else to discuss about.

The website will allow him to have a more flexible time to manage between his work and the design of the website. It will be updated frequently, and will reduce the lack of communication that is between the members and at the same time encourage them to not miss the cults.

I have chosen to do this project as I have used Microsoft Visual Web Developer 2010 Express before. The client PC has Mozilla Firefox as a web browser and a connection to Internet.

Word count: 319