**Chapter 3**

**RESEARCH METHODOLOGY**

**Environment**

The research study was conducted by the proponents in the province of Misamis Occidental and some parts of Zamboanga Del Sur. Misamis Occidental is situated in the Northern Mindanao region of the Philippines which comprises 14 municipalities where lies in each either a terminal or a bus stop while Zamboanga is located in the Zamboanga Peninsula Region and has 26 municipalities but will be limited to only Tambulig and Molave.

**Research Respondents**

The respondents of the research study consist of a manager and part owner of Maria Evenia Shuttle Services, Mr. Reno Olmedo. Drivers from all around the municipalities of Misamis Occidental are also interviewed since they will handle the system. In addition, 50 more respondents who are potential users of the application randomly picked in the area to be surveyed and their response will be used for the system. Overall, the total number of respondents is 71.

**Research Instrument**

An interview was conducted together with the proponents and the manager and part owner of Maria Evenia, Mr. Reno Olmedo to gather the required data for the proposed system’s development. The proponent also made use of observation to gather more data that are useful for the development process. The proponents started with an interview that guided them to formulate open-ended questions and the interview ended with a yes-no questionnaire to clarify the data gathered.

In a similar way, the drivers from around the terminal/bus stop were also interviewed. The proponents started with an open-ended question and follow up questions were made to further understand their response. Survey questionnaires were used for the other 50 respondents and ended with 2 open-ended questions.

**Data Gathering Procedure**

The proponents needed to procure an agreement towards the Maria Evenia Services to conduct the research with them as the client. Hence, the proponents secured a transmittal letter together with a Memorandum of Agreement to be signed by both parties.

The proponents then began to inquire of Mr. Reno Olmedo what he thought about the proposed system if he is willing to be part of it previous to the proponents conducting an interview with the owner himself.

Mr. Reno Olmedo agreed with the proponents to meet at a coffee shop to further discuss the details about the proposed system.

**Treatment of Data**

The data and facts that has been gathered from the interviews and survey conducted by the proponents from the respondents of the research study were filtered, organized and analyzed. By the use of interview and survey method, the proponents can find useful information that is going to be applicable to the research study. It serves as the proponents’ guide in the developmental process of building the system.