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PROJECT PROPOSAL

**SORBONAM**

Nazifa Tasnim Hia

BSSE-0930

Md Rezowan Talukder

BSSE-0930

**Supervised By**

D. Mohammad Shoyaib

Assistant Professor

IIT, DU

Chapter 1: Introduction

It’s hard to do anything related to our Mother Tongue “Bangla ” because of the lack of dataset of Bangla. So, from the love to Bangla, We wanted to make an android Application which will help to ensure that which parts of speech a Bengali word belongs to.

1.1 Objective:

* We want to support Bangla with this dataset which will help researchers to work more for Bangla.
* To utilize our knowledge about SRS, OOP, web technology, several programming language and Database on this project.

1.2 Scope:

* Since this is an Application for making a dataset for bangla, so ensuring correct data this app will be used by our verified people.
* User can just tag word and they have no database access.
* We will keep several database in case one is lost.

1.3 Motivation:

Predicting a word of a sentence of Bangla its necessary to know which parts of speech it belongs to. Generating a sentence automatically it required to know the parts of speech of words. Moreover translating from Other languages to Bangla we need a dataset. But we don’t have a proper dataset. So, from this dire need we are developing this mobile application.

Chapter 2: Project Description

2.1 Features:

Detail features of the application will be:

* User can create account providing necessary information along with mobile number as user will be paid through that mobile number. Only verified users can create account.
* User will get a brief discussion on parts of speech which will make easier to tag a word.
* User will get sentences one by one and then he/she will tag every word of that sentence as which parts of speech it belong to.
* User will be paid a certain amount of money after tagging a number of words.
* Final word with corresponding parts of speech will be stored in database.

2.2 Required Languages:

Required languages to develop this application are:

* Java
* PHP
* MySQL
* XML

2.3 Deliverables:

Deliverables of this application are:

* SRS Documentation
* Android Application

2.4 Work Plan:

Major steps to complete this project are:

* Analyzing the requirements of the project.
* Preparing SRS document of the project.
* Connecting the android application with the server database.
* Every sentence will be sent to N number of people. Then we will collect vote for every word of that sentence. We will store these word and corresponding parts of speech a temporary database.
* After getting a specific amount of votes for a word, highest voted parts of speech will be selected for that word. Finally that word will be stored in our permanent database.

Chapter 3: Conclusion

A software project means a lot of experience. We hope this will help Bangla with a little contribution of a Dataset. Developing this software will give us a lot of knowledge about Android, JAVA, Object Oriented Programming and Client-Server request handling. We have further plan to apply this in different software which will contribute more. After all, doing something for mother-tongue, for nation gives the highest pleasure.