Project Report

# Project Name

Students Management System (SMS)

# Project Description

This project is based on Node.js and Express Framework. XML is used as the database to store the students’ information. In this process, the module “xml2js” is required, in order to transfer the XML format to JSON format and make it easier to handle.

# Introduction

## [Node.js](https://nodejs.org/en/)

Node.js® is a JavaScript runtime built on Chrome's V8 JavaScript engine. Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient. Node.js' package ecosystem, npm, is the largest ecosystem of open source libraries in the world.

## [Express.js](http://expressjs.com/)

Express.js is a Node.js web application server framework, designed for building single-page, multi-page, and hybrid web applications. It is the de facto standard server framework for node.js. The original author, TJ Holowaychuk, described it as a Sinatra-inspired server, meaning that it is relatively minimal with many features available as plugins.

# Environment

* WebStorm 11.0.3
* Node 5.4.1

# Server

Deployed for testing: <http://likai.ren:3000/>

# Snapshots



