

External Technologies Outline

Level	Technology	Use
Client	HTML/CSS/JavaScript	Rendering application
	Google Maps v3	Main focus of UI Display bus locations Display bus popularity Display directions (<i>DirectionService</i>)
	Google Geolocation	Estimating client location for rendering relevant information first
	jQuery	jQuery UI Form validation User logins
Server	Node.js	Web Server - Serve application files - Handle client requests for stops
	Express	Provides template for server Provides higher level server functionality built on top of Connect
	Jade	HTML template engine
	Stylus	CSS template engine
Database	MongoDB	Store stop locations - <i>coll1</i> Store stop popularity - <i>coll1</i> Store stop schedules - <i>coll2</i> Store user information and passwords - <i>coll3</i> Store user favourite stops and misc metadata/settings - <i>coll3</i>
External	OCTranspo RESTful API	Retrieve bus GPS data for requested stop

Architecture Diagram

