

SWE 574 Software Development as a Team, Fall 2014
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WBLH: Web Based Living History Application
System Description Document

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Revision 2.0

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Revision	Date	Explanation
1.0	03.01.2015	Initial Documentation for System Description
2.0	04.01.2015	Modifications on Section 3 Modifications on Section 5

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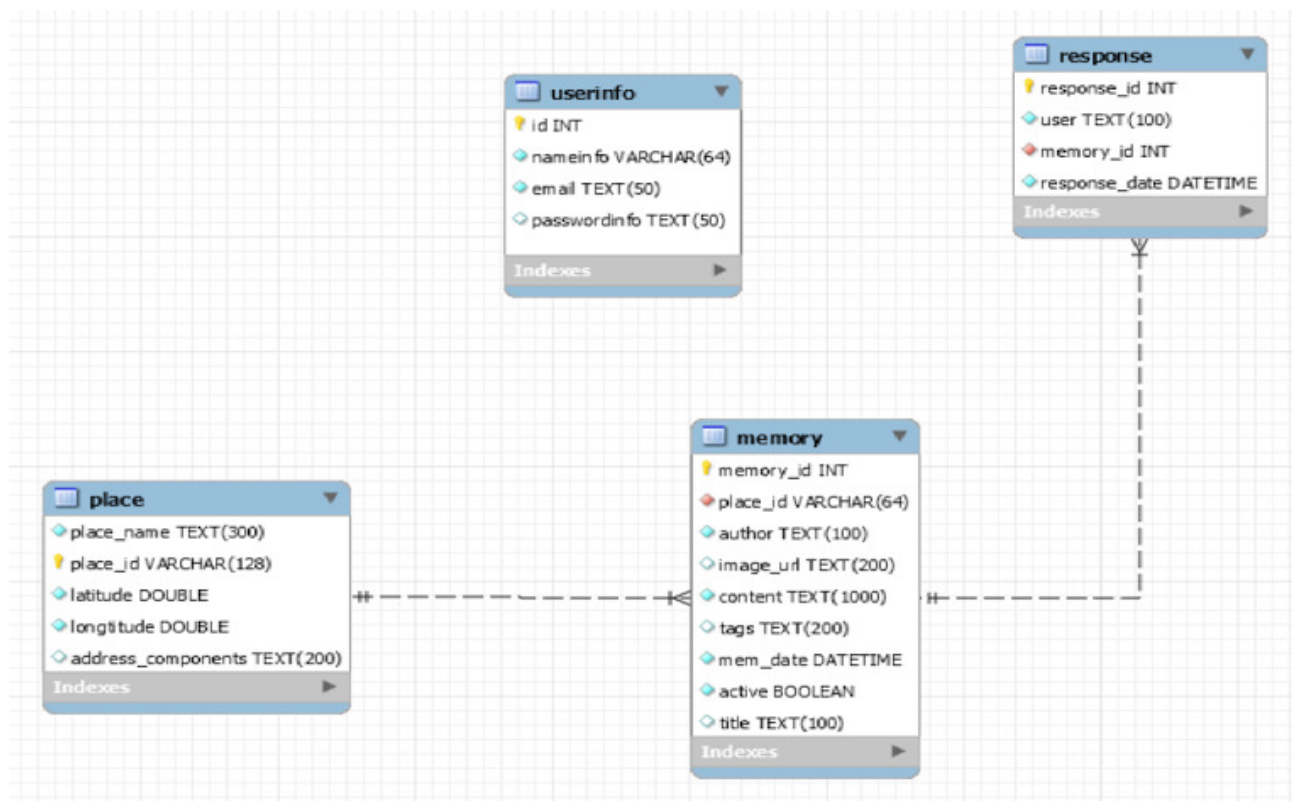
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1. INTRODUCTION

This system description document is a documentation describing the technology choices and the environment used in the creation & deployment of Living History application.

Living History application is an application used for entering/viewing/responding to memories. The application has 3 aspects: database, server & client.

2. DATA MODEL



3. TECHNOLOGY

 AngularJS MVC framework	Client side code
 GruntJS	Front end build tool
 Java	Programming language for server side
 MySQL	Database implementations
 Heroku	Cloud application platform
 Apache TomCat	Web server
 Javascript API for Google Maps V3	Visualisation of the maps in application
 Apache Cordova	Platform to build mobile applications using web application code
 JavaScript, HTML	Web programming languages
 Node.JS	Platform to build server-side/network application (Used for Android version in this project)
 Eclipse Mars	Development tool for server side
 Webstorm 9.0	Development tool for client side
 Google Chrome Developer	Tool for debugging on client side
 Apiary	Platform for building & consuming Web APIs
 Amazon Web Services	Cloud platform with Tomcat & MySQL for testing
 Google Code	Google's web based environment for collaborative code development projects
 Automated deployment	Not available

4. ACCESS, AUTHENTICATION and AUTHORISATION

- The access to the application is Web based.
- Authentication is through a Web form where email address & password information of the user is required.

5. DELIVERY

The application is delivered to the customer in 2 ways:

 CD

 Web Portal given below:

<http://ec2-54-72-10-88.eu-west-1.compute.amazonaws.com:8080/LivingHistoryRestService/www/index.html>

6. DOCUMENTATION

All detailed documentation regarding the Living History project can be found at Google code pages from the following address:

<https://code.google.com/p/living-history-swe/w/list>