**Online Class Project gmail account to use:**

**USER:** **caplutostudio@gmail.com**

**PW: portnov2010**

**Application Links**

**Production:**

* [http://www.genietrack.com](http://www.genietrack.com/) - corporate site URL
* <http://www.genietrack.com/geniecorp/corp/demo> - 4 minute interactive online demo of the product (excludes mobile setup)
* <https://www.genietrack.com/genietracker/login/faq.gsp> - FAQ section that hopefully answers most basic product questions
* App can be found in iTunes or Android store/marketplace by searching for Genietrack or:
	+ <http://itunes.apple.com/us/app/genietrack/id492595051?ls=1&mt=8> (iTunes)
	+ <https://play.google.com/store/apps/details?id=com.genietrack.gpslocator&feature=search_result#?t=W251bGwsMSwyLDEsImNvbS5nZW5pZXRyYWNrLmdwc2xvY2F0b3IiXQ>..
* <http://showcase10.strutta.com/entry/252991>? - vote for Genietrack entry in the FounderShowcase Pitch Competition -

**QA:**

<https://ec2-50-18-45-54.us-west-1.compute.amazonaws.com/genietracker/member/registration>

Android build -[GenietrackLocator.apk](https://docs.google.com/open?id=0B8LbFB2Er67EZHlUUzhFekhDbDg)

1. Go to Android phone's Settings/Applications and enable **Unknown sources** installation option

2. Save the .apk to SD card or local phone hard drive

3. Find the .apk file using Astro file manager or another utility

4. Select the file and choose to install it. Then use the file like a user (i.e. register for account, generate token id, etc).

**Emulator :**

Android SDK based virtual device - see doc

**Project study and resources**

Search and learn about [www.genietrack.com](http://www.genietrack.com)

You should have access to the following documents:

* Ginietrack Project Information
* Child Tracker BRD\_ver5

Search/read Internet about OPEN ID interface technology

Create a couple of additional emails for testing as needed

Know how to make screen-shots:

on the stand computer: Shift+Home+PrtScn/SysRq

on smart Phone: check relevant Presentation

It would be very helpful to have a snipping tool installed on your computer for screen-shots.There is only .jpeg format accepted in bug reporting tools.

Know the definition of the Test Case

Be ready to explore and learn Testing Strategy and specification of a Web App

**Instructions for Bugzilla (bug tracking database)**

**URL**: http://bugzillapcs.dyndns.org:4615/bugzilla3/

**User ID**: gtonline@school.com

**Password**: gtonline

After logging into Bugzilla, you can click on the link MyBugs (lower left corner of the page) to see the open bugs for GenieTrack project.

If you want to see All bugs for the project, you can use the Advanced Search feature of Bugzilla:

1. Click on Search link to open the Search page

2. Click on Advanced Search link (the right tab on the page)

3. Look for Status box, press CTRL key and click to select all bug statuses (Unconfirmed, resolved, verified, closed)

4. Click Search button

Now you should see All the bugs for the Genietrack project. If you want, you can also save this search by entering a name for this search in the box in the lower right corner of the page and clicking Remember Search button.

**Genietrack Application Technology**

1. Genietrack is leveraging a lean agile software development process
2. Utilizing Amazon Elastic Compute Cloud (Amazon EC2) environment.
3. Genietrack is also leveraging 3rd party web services for delivering SMS

and email messages to users. Genietrack core team owns the intellectual

property and is leading long-term product vision and strategy, developing

business requirements, product architecture and database design.

 4. Genietrack partnered with Sigma Infosolutions to develop product version

1.0. Genietrack continues to outsource some of its development effort to

Sigma Infosolutions to rapidly develop new functionality while preserving

conservative cost structure.

**Genietrack’s technical components:**

**OS:**

Amazon 64-Bit Linux

Language: Java 1.6

Framework: Groovy on Grails 1.3

Database: MySQL 5.1.46

Web server: Tomcat Server 6.0

Middleware: Active MQ 5.4

**Web Application:**

Technology: Groovy on Grails, Jquery, Google Maps API on Tomcat Server

Responsibilities

● Parents [Members] Registration

● Setup of Children & their safety zones

● Setup of Alerts

● Link the Child's device

● Track children live

● View Reports and Alerts

● Modify Children details, safety zone and alerts setup

● Modify Users settings

● Change password

**Data store:**

Technology: MySQL – MyISAM Tables

Responsibilities

● Manage all member information

● Manage all children location& alert settings

● Store all geo-posiiton information received

● Store all the alerts dispatched

● Maintain Offender & Zip code data

**Locator Service:**

Technology: JMS, MDB, Core Java Service

Responsibilities

● Continuous reading of JMS Message Queue through an MDB

● Identify and process the message

● Validate for alert conditions

● Dispatch alert messages to the registered devices

● Track the alerts dispatched history

**Study Project Paper:**

**Documents naming conventions:**

**Doc title starts with GT ONLINE (PP, TC) – Full name**

1.Company overview

2.Application Overview

* Application Type
* Major Functionality
* Targeted audience
* Environment(Production, QA, Dev) and application stage(Live, Beta, QA, Dev)
* Emotional/usability response (love it or not, self- explanatory, easy-to-use)
* Competitors that develop this kind of applications

 3. Describe Mobile app download and installation including challenges and issues reported to Bugzilla

 4. What you did:

* Mobile app download and installation
* Installed and used SDK based Android Virtual Device
* Smoke testing (QA build): Test cases execution
* Exploratory/Ad-hoc Testing and Bug reports
* Test Cases by Component/Module
* Test cases Functional (Positive, Negative, Boundary)
* Regression
* Browser compatibility Testing
* Usability Testing
* Functional (Positive, Negative, Boundary)
* Regression testing
* Browser compatibility Testing