

Technology Systems & Solutions



LACRACH Online Access Portal

Project for: **Highway Safety Research Group (HSRG) at LSU**

ISDS 4125
Analysis & Design of Information Systems
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Technology Systems & Solutions (TSS)

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Handout of TSS Presentation

1. **Project Description** - An online application for the LACRASH system in which citizens are able to download and purchase a copy of their motor vehicle crash report via Internet
2. **Advantages of an Online System:**
 - Citizens will be able to download and print crash reports without having to go to the agency to request a copy
 - It will decrease the overall service load in state agencies for helping customers who need to obtain crash reports and reduce administrative cost
 - State agencies will benefit from this online access portal by receiving service fees charged for accessing each crash report.
3. **Security Layers:**
 - 1st – user authentication
 - 2nd – the data is secured by SQL
 - 3rd – the report search structure
 - Report ID:
 - Date (matching the Report ID)
 - five unsuccessful attempts to match Report ID and Date
 - 4th - running IIS with encryption with digital certificate from VeriSign
 - 5th – VeriSign will have its own security
4. **Why should you choose our System?**
 - User Friendly
 - Has Strong Security
 - **Inclusive** – it covers everyone in the crash
 - Pedestrians
 - Minors who do not possess a drivers license or ID
 - International Visitors
 - Keeps a log of people who register with the system and who purchase a report
 - If you accidentally get logged off, you can log in again and print your report without having to pay the fee again
 - Easy to Maintain
5. **Recommendations:**
 - Random image on the crash report search page
 - VeriSign for receiving payments with digital certificates
 - Random passcode incorporation
 - Use SSL over IS
 - Consolidate databases
 - \$12 fee to cover website maintenance, VeriSign cost, and agency service fees