Function Requirement’s

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| Function/Description | Input (Format, etc.) | Output (Format, etc.) | What Do (components, functions required) | Programming Environment Req. (What software) |
|  |  |  |  |  |
| Generate Private Key/Cert Request | Country Code (default “US”),  State (Default “Missouri”),  Locality Name (city – default “Kansas City”),  Organization Name (Default “Commerce Bancshares Inc”),  Organization Unit Name (Default “Information Technology”),  Common Name (no default),  Subject Alternate Names (other DNS entries supported),  Password (none),  allow capability to set X509v3 Key Usage attributes and X509v3 Extended Key Usage | Key object in program | Take inputs and put them into a key generator |  |
| Down and Save/Copy paste Private Key and CSR | Button to file explorer to say where to download | Button | File explorer to say where to save |  |
| Upload Cert/Private Key | two button to file explorer to say where to upload from | two file’s on computer | Java keystore on server |  |
| Generate Java Keystore with download capabilities |  |  |  |  |
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