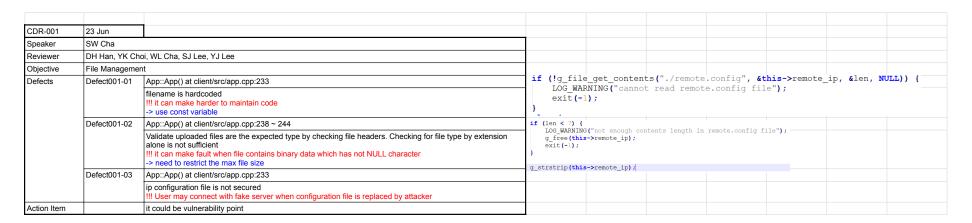
Phase 2.	Code Rev	view Repo	rt
		Team 5verF	low
		23 Jun	



CDR-002	23 Jun									
Speaker	SW Cha									
Reviewer	DH Han, YK Cho	oi, WL Cha, SJ Lee, YJ Lee								
Objective	Input Validation									
Defects	Defect002-01	App::on_button_login() at client/src/app.cpp:547~548								
		regular expression is hardcoded !!! it can make harder to maintain code -> use const variable	check_val	lid_input("^[a-zA-2 lid_input("^(?=.*[A ().c str())) {	Z0-9]+\$", A-Za-z])(m_Entry_Id. (?=.*\\d) (?=.	get_text().c_ *[\\^@\$!%*#?&	str()) &&])[A-Za-z\\d\	\^@\$!%*#?&]{8	.}\$", m_Entry_Password.
	Defect002-02	main() at server/src/main.cpp:461	faceNet.addNew	Face_name(frame, outpu	utBbox, (go	thar *)req_pars	ed_data);			
		there is not new name validation !!! user name can be duplicated or multiple face is registered as one name. so user cannot distinguish people correctly								
Action Item		looks good								

CDR-003	23 Jun			
Speaker	SW Cha			
Reviewer	DH Han, YK Cho	pi, WL Cha, SJ Lee, YJ Lee		
Objective	Authentication a	nd Password Management		
Defects	Defect003-01	App::connect_server() at app.cpp:349	heck_client_	
		Enforce account disabling after an established number of invalid login attempts (e.g., five attempts is common). The account must be disabled for a period of time sufficient to discourage brute force guessing of credentials, but not so long as to allow for a denial-of-service attack to be performed !!! it can be target of brute force attack -> insert some time delay when failure or follow the guidance.	RNING("Certi ialog("Certi xit;	
	Defect003-02	App::connect_server() at app.cpp:355~357 if certi files are replace then always fail to log in !!! it can be target of DoS attack	lepath_ca_ce ilepath clie	
Action Item		it could be target of fuzz testing	ilepath_clie	

CDR-004	23 Jun		
Speaker	SW Cha		
Reviewer	DH Han, YK Cho	pi, WL Cha, SJ Lee, YJ Lee	
Objective	Session Manage	ement	
Defects	Defect004-01	App::connect_server() at app.cpp:388, 638, 653	TcpSendLoginData(this->port_control, m_Entry_Id.get_text().c_str(), m_Entry_Password.get_text().c_str())
		There are no return value check !!! User may confused although request was failed	show_dialog("Show your face on camera within 5sec");
	Defect004-02	App::connect_server() at app.cpp:418, 426, 434	if ((this->port_secure = OpenTcpConnection(this->remote_ip, "5000", ca, crt, key)) == NULL) // Open
		There are no authentication for additional connection after login !!! it can be session hijacking	LOG_WARNING("error open port_secure"); disconnect_server();
Action Item		need further investigation	show dialog("Connection Fail"); goto exit;
			<pre>if ((this->port_nonsecure = OpenTcpConnection(this->remote_ip, "5000", NULL, NULL, NULL)) == NULL) non secure mode</pre>

CDR-005	23 Jun							
Speaker	SW Cha							
Reviewer	DH Han, YK Ch	oi, WL Cha, SJ Lee, YJ Lee						
Objective	Error Handling a	and Logging						
Defects	Defect005-01	ReadDataTcp() at common/NetworkTCP.cpp:796) { // recv error				
		when using ssl_read() with select(), it must be check the return value with ssl_get_error() because return behavior is a little different with normal read() or recv() in case of SSL library (ex. affected by ssl control frame) !!! it could be lost connection unexpectedely	_	RNING("peer is di: TCP_RECV_PEER_DI:				
	Defect005-02	FaceAuthencticate() at server/src/main.cpp:82	videoStreamer->g	getFrame(frame);				
		it could fall into infinite loop when frame is empty because endtime is not updated. !!! it could not provide service properly	if (frame.empty(
	Defect005-03	TcpRecvLoginData() at common/TcpSendRecv.cpp:194		(req->data + 1, userid_	len);			
		user login data is dynamically constructed so if attacker inject below data instead real user data then it could make heap overflow ex) 0x00, 0xFF, 0xXX g_strndup() source add 1 bytes regardless of input string length new_str = g_new (gchar, n + 1); !!! it could make abnormal termination	<pre>goto exit; }</pre>	{ "memory allocation fail (req->data + 1 + userid				
	Defect005-04	TcpRecvImageAsJpeg() at common/TcpSendRecv.cpp:54	imagesize = ntohl	 (imagesize); // con	vert image size to	host format		
		it doesn't check imagesize length !!! it could make abnormal termination		_malloc(imagesize);				
	Defect005-05	AcceptTcpConnection() at common/Network.cpp:237		: Port->ctx = get_ser		cert		
		it doesn't return without dismiss ConnectedPort !!! it could make memory leak	LOG_WARNIN return(NUL }	IG("get_server_conte .L);	xt failed");			
	Defect005-06	AcceptTcpConnection() at common/Network.cpp:309	if (client_cert == NUI // The handsha	ake was succe:				
		it doesn't return without dismiss TcpConnectedPort->ssl !!! it could make memory leak	// Most likely LOG_WARNING(": goto ssl_exit;	SSL_get_peer_				
	Defect005-07	AcceptTcpConnection() at common/Network.cpp:327	error_verify_host					
		it doesn't return without dismiss TcpConnectedPort->ssl and TcpConnectedPort !!! it could make memory leak		nt_cert) { (509_free(client_ce	rt)			
	Defect005-08	main() at server/src/main.cpp	videoStreamer->get					
		if getFrame() cannot retrieve valid frame then following functions could not work properly !!! it could not provide service properly		nation to paint the ame.size(), frame.t				
	Defect005-09	VideoStreamer::VideoStreamer() at server/src/videoStreamer.cpp:35	m_capture = ne	w cv::VideoCapt	ure(filename);			
		there is no NULL check !!! it could make abnormal termination	if (!m_capture	->isOpened()){				
	Defect005-10	baseEngine::caffeToGIEModel() at server/src/baseEngine.cpp:75	IBuilder *buil	lder = createInf	ferBuilder(gLogg	er);		
		there is no NULL check !!! it could make abnormal termination						
	Defect005-10	baseEngine::caffeToGIEModel() at server/src/baseEngine.cpp:86	const IBlobName	eToTensor *blob	NameToTensor = p	arser->parse(de	ployFile.c_str()),
		there is no NULL check !!! it could make abnormal termination	modelF:	ile.c_str(),				
Action Item		need further investigation						

CDR-005	23 Jun	
Speaker	SW Cha	
Reviewer	DH Han, YK Ch	oi, WL Cha, SJ Lee
Objective	Communication	Security
Defects		
Action Item		great