Lab RequiremenT

– Solution –

2 ECP System Requirements Specification v1.1

ID	Details	Type	Priority
R1	The ECP shall display a list of all products offered by Clear View Training Limited.	• Products • Functional	MustHave
R2	The ECP shall organise the list of products by product category.	• Products • Functional	MustHave
R3	The ECP shall display detailed product descriptions consisting of name, photograph, price and description on demand.	• Products • Functional	MustHave
R4	The ECP shall display the number of items currently in the shopping basket on each page of the catalog.	• Products • Functional	Could-Have
R5	The ECP shall accept all major credit cards.	• Payment • Functional	MustHave
R6	The ECP shall validate payment with the credit card processing company.	• Payment • Functional	MustHave
R7	The ECP shall automatically calculate and add a shipping charge to the order.	• Payment • Functional	Should-Have
R8	The ECP shall automatically calculate and add tax to the order.	• Payment • Functional	Should-Have
R9	The ECP shall allow the customer to place items into a shopping basket.	• User Interface • Functional	MustHave
R10	The ECP shall allow the customer to remove items from their shopping basket.	• User Interface • Functional	MustHave
R11	The ECP shall allow the customer to "check out" and pay for their products.	• User Interface • Functional	MustHave
R12	The ECP user interface shall support the insertion of adverts.	• User Interface • Functional	WantTo-Have

R13	The ECP shall raise a new customer order at the point of payment.	• Orders • Functional	MustHave
R14	The ECP shall notify the dispatch department once the order has been paid for.	• Orders • Functional	Should-Have
R15	The ECP shall send a copy of the current order to the customer when payment is accepted and the order confirmed.	• Orders • Functional	MustHave
R16	The ECP shall allow customers to view their order history.	• Orders • Functional	Should-Have
R17	The ECP shall allow a customer to cancel a customer order provided that the order has not been dispatched.	• Orders • Functional	MustHave
R18	The ECP shall notify the dispatch department when an order is cancelled.	• Orders • Functional	MustHave
R19	When the order is cancelled the ECP shall refund the cost of the order.	• Orders • Functional	MustHave
R20	The ECP shall allow the dispatch department to view all orders.	• Orders • Functional	MustHave
R21	The ECP shall allow a customer to register with the site.	• Registration • Functional	MustHave
R22	The ECP shall use the customer's email address as the username for logon purposes.	• Registration • Functional	MustHave
R23	The ECP shall require the customer to set a password.	• Registration • Functional	MustHave
R24	The ECP shall collect customer information consisting of name, address, email address, phone number, fax number, credit card information.	• Registration • Functional	MustHave
R25	The ECP shall allow customers to view and edit their customer information.	• Registration • Functional	MustHave

R26	The ECP shall authenticate all customers prior to making payment, viewing outstanding orders or viewing customer information.	• Registration • Functional	MustHave
R27	The ECP shall support 100,000 transactions per day.	• Capacity • NonFunctional	Should-Have
R28	The ECP shall support a peak transaction rate of 10 transactions per second.	• Capacity • NonFunctional	Should-Have
R29	The ECP shall support 10,000 concurrent sessions.	• Capacity • NonFunctional	MustHave
R30	The ECP shall be available 24 hours per day, 360 days per year.	• Availability • NonFunctional	MustHave
R31	The ECP shall store sales transaction data.	• Availability • NonFunctional	MustHave
R32	The ECP shall accept payment and raise an order within 5 seconds in 95% of the cases. This figure might not always be achievable to the customer because of Internet latency and delays in payment authorisation by the credit card company.	• Performance • NonFunctional	Should-Have
R33	The ECP shall log in a customer within 5 seconds.	• Performance • NonFunctional	Should-Have
R34	The ECP shall use a browser as its user interface.	• ComplianceTo-Standards • NonFunctional	MustHave
R35	The ECP shall support the latest versions of Internet Explorer and Netscape browsers.	• ComplianceTo-Standards • NonFunctional	MustHave
R36	The ECP shall always support the previous version of Internet Explorer and Netscape browsers.	• ComplianceTo-Standards • NonFunctional	MustHave

R37	The ECP shall be written using standard Java to run on Linux and Windows.	• ComplianceTo-Standards • NonFunctional	Should-Have
R38	The ECP shall run on the same system and software as the existing Clear View Training web site.	• ComplianceTo-Standards • NonFunctional	MustHave
R39	The ECP shall authenticate all users of the system who are not customers.	• Security • NonFunctional	MustHave
R40	The ECP shall use secure means of communication.	• Security • NonFunctional	MustHave
R41	The ECP shall produce non-refutable evidence of transactions.	• Security • NonFunctional	MustHave
R42	The ECP shall provide a security audit trail.	• Security • NonFunctional	MustHave