

Test Item	Test Data	Part of System Tested	Expected Outcome	Actual Outcomes	Comments	Ref in Product
Specification Validation	Specification 1): Create Android application to display weekly news updates, event information, and Quote of the Week from Ismaili Institution Canada (IIC).	Java + XML code, tabbed activities/intents, SD storage, internet connection, multiple Java classes (downloader, screens, and thread) working together, onClickListener for user interaction	<ul style="list-style-type: none"> - Android app opens up - Home button is pressed to update device storage - Updates, events, and quotes are displayed 	<ul style="list-style-type: none"> - Functions work correctly 	<ul style="list-style-type: none"> - Tested by client on February 28th 	Whole application
	Specification 2): Application must be user friendly	HD themes/graphics for all types of devices (LDPI, MDPI, HDPI), home page, buttons, tabbed activities/intents, ListView, Screen messages (Dialog boxes), AsyncTask threads (background process), click-to-view based list items, WiFi/3G network dialog, If statements	<ul style="list-style-type: none"> - User is presented with “Enter” button - Tabbed activities are presented to the user at the bottom, all information is appropriately organized - Download process in background - If no connection and no database file on the device, user asked to connect to network. - List of scrollable items, when clicked, the specific item is then viewed with detail - When back button pressed, activity starts where user left off (saves last scrolled position). - List items have a title and subtitle describing the content of that item, arrow leads to more information - Tabs that the user currently views will be bright red 	<ul style="list-style-type: none"> - Functions work correctly 	<ul style="list-style-type: none"> - Tested by client on February 28th 	Home screen, tabbed screens

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	Specification 3): Application should be visually appealing, with a logo.	HD graphics based on screen, Custom ListView adapters, launching icon design, consistent color scheme, Roboto (sans-serif) font for easy reading,	<ul style="list-style-type: none"> - Logo helps to identify and find the app quickly in the app drawer - Titles, subtitles, and body have different levels of styling - Red color scheme used for app, with white font for easy readability. - Font is Roboto (Sans-serif) - ListView items have custom designs, the default Android theme is not used. Makes the application look professional and custom-built. - No images/graphics are pixelated, all are HD 	- Functions work correctly	- Tested by client on February 28 th	Whole application
	Specification 4): Application should provide important contact information for IIC.	XML hard-coded string, "More Details" tab	<ul style="list-style-type: none"> - A special tab labelled "More" has additional details about the IIC. - Provides contact information 	- Functions work correctly	- Tested by client on February 28 th	More tab

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	Specification 5): Create a server-end application to allow committee members to input information into the database and update the application.	URL parsing, active network connection, offline database in device, buffer streams when downloading through HTTP request, reading/writing device storage, parsing downloaded JSON for content, Hashmap key value pair for items in each tab, updating XML attributes to display fetched data, HTML tag parsing for styling, online GoDaddy hosted domain for JSON file, SQL based online database	<ul style="list-style-type: none"> - Application should connect to “zainzulfiqar.com/thisweek.json” and download this file containing the database content for the week. - File should be saved on local storage of device, to be used if device is offline. First time connection of device will always require internet connection to download file - File should be read and the JSON formatting should be parsed into readable Java string. - Specific parts of the JSON are parsed (sections appropriate for the type of tab the information is fit for) and displayed in the respective tab - Each list item in ListView has a unique key ID linking the list item (only containing the title and one-sentence information) to the full body information for the expanded view 	- Functions work correctly	- Tested by client on February 28 th	Whole app, populating ListView items

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	Specification 6): Database entries are user friendly, and organize content appropriately.	Online secure database to read information (no one else can modify), If statements to filter out data for each tab, Loops to populate multiple items in list,	<ul style="list-style-type: none"> - IIC committee members can use SQL statements to enter information into the online database if they are experienced users, or they can use the GUI provided by CPANEL/phpMyAdmin to insert the information. - Each record in the database has a Key ID - Each record has a category ID, linking it to the quote, event, or information item. They are populated in the respective app tab - Information is read publicly, but can only be modified by the admin of the database - GoDaddy account. - Data from the online database is converted to JSON through SQL or GUI. - JSON file is hosted on the GoDaddy domain for app to download. 	- Functions work correctly	- Tested by client on February 28 th	Internet connection, online GoDaddy database

Client approval of specifications: H.K. Bhimani