

Software Development Process Management: CA1: Iteration 2 Plan

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CA1 Update

The CA1 delivery implemented the following set of features,

API	Description
POST api/RecordCollection	Documentation for 'PostAddAlbum'.
PUT api/RecordCollection?classType={classType}&albumId={albumId}¶meter={parameter}&update={update}	Documentation for 'PutDetailUpdate'.
DELETE api/RecordCollection?album={album}	Documentation for 'DeleteAlbum'.
GET api/RecordCollection	Documentation for 'GetAllAlbums'.
GET api/RecordCollection?albumName={albumName}&getArtist={getArtist}	Documentation for 'GetArtistFromAlbum'.
GET api/RecordCollection?artistName={artistName}&getAlbum={getAlbum}	Documentation for 'GetAlbumsFromArtist'.
GET api/RecordCollection?albumName={albumName}&discNumber={discNumber}&getTracks={getTracks}	Documentation for 'GetTrackNamesFromAlbum'.
GET api/RecordCollection?genre01={genre01}&genre02={genre02}&genre03={genre03}	Documentation for 'GetAlbumsFromGenre'.

- A **web service** that implemented the CRUD operations, using HTTP methods shown above.
- A **client** app that can interact with the web service. Most of the web service methods were tested successfully using the client. The remaining functionality has yet to be tested.

Web Service – Work to be done in the next stage

The web service was successfully published to Azure.

<http://daveyservice01.cloudapp.net/>

Following on from the first stage, Azure tables will be implemented to store and manage data for the web service. Other logic that wasn't completed will be finalised in this stage, such as calculating the total value of the record collection, sort collection alphabetically, and other filter searching functionality. A testing framework will be added to test the web service, if possible.

Client App – Work to be done in the next stage

The client app will have additional logic added and a controllable interface. Currently, the client runs a fixed set of functions, but this will be amended so the user can enter commands to add albums, update album information, delete whole albums, or retrieve data. A test environment will also be added.