User Stories for MS CRM APIs - ClaimedCapability

ClaimedCapability

A *ClaimedCapability* is an assertion made by a solution that it meets the requirements, or implements, a capability. For each *ClaimedCapability*, a supplier will submit some evidence which is then assessed by an NHS assurance and compliance team.

/ClaimedCapability/Create

User Story

As an API user, I want to create a new claimed capability

Acceptance Criteria

- a user should be able to create a new claimed capability and have this new claimed capability returned to them
- if the previous version does not exist, then an error code should be returned
- if the solution does not exist, then an error code should be returned
- if the capability does not exist, then an error code should be returned

Test Cases

The one where...	Test Case
I create a new claimed capability	**Given**: there are no claimed capability records in CRM **And**: there is a solution record (S00) in CRM **And**: there is a capability record (C00) in CRM **And**: I create an in-memory claimed capability record (CC00) which references a solution (S00) and a capability (C00) **When**: I call the API with a claimed capability record (CC00) **Then**: a claimed capability record (CC00) is returned with its CRM identifier **And**: a HTTP status code of 200 is returned
the solution is not in CRM	**Given**: there are no claimed capability records in CRM **And**: I create an in-memory solution record (S00) **And**: there is a capability record (C00) in CRM **And**: I create an in-memory claimed capability record (CC00) which references a solution (S00) and a capability (C00) **When**: I call the API with a claimed capability record (CC00) **Then**: no claimed capability record is returned **And**: a HTTP status code of 404 is returned
the capability is not in CRM	**Given**: there are no claimed capability records in CRM **And**: I create an in-memory capability record (C00) **And**: there is a solution record (S00) in CRM **And**: I create an in-memory claimed capability record (CC00) which references a solution (S00) and a capability (C00) **When**: I call the API with a claimed capability record (CC00) **Then**: no claimed capability record is returned **And**: a HTTP status code of 404 is returned

/ClaimedCapability/Update

User Story

As an API user, I want to change information for an existing claimed capability

Acceptance Criteria

- a user should be able to change information about an existing claimed capability
- if the claimed capability does not exist, then an error code should be returned
- if the previous version does not exist, then an error code should be returned
- if the solution does not exist, then an error code should be returned
- if the capability does not exist, then an error code should be returned

Test Cases

The one where...	Test Case
I update a claimed capability	**Given**: there is a claimed capability record in CRM (CC00) **And**: I create an in-memory claimed capability record (CC00a) based on an existing record (CC00) **When**: I call the API with a capability record (CC00a) **Then**: a HTTP status code of 200 is returned
the claimed capability is not in CRM	**Given**: there are no claimed capability records in CRM **And**: I create an in-memory claimed capability record (CC00) **When**: I call the API with a claimed capability record (CC00) **Then**: a HTTP status code of 404 is returned
the solution is not in CRM	**Given**: there is a claimed capability record in CRM (CC00) **And**: I create an in-memory solution record (S00) **And**: I create an in-memory claimed capability record (CC00a) based on an existing record (CC00) which references a solution (S00) **When**: I call the API with a claimed capability record (CC00a) **Then**: a HTTP status code of 404 is returned
the capability is not in CRM	**Given**: there is a claimed capability record in CRM (CC00) **And**: I create an in-memory capability record (C00) **And**: I create an in-memory claimed capability record (CC00a) based on an existing record (CC00) which references a capability (C00) **When**: I call the API with a capability record (CC00a) **Then**: a HTTP status code of 404 is returned

/ClaimedCapability/BySolution/{solutionId}

User Story

As an API user, I want to get existing claimed capability/s on which are related to a solution, in a paged list, given the CRM identifier of the solution

Acceptance Criteria

- a user should be able retrieve all claimed capability/s associated with a solution
- if the solution does not exist, then an error code should be returned
- a user should be able to specify how many records (page size) are returned at a time
- a user should be able to specify an offset (index) into the total records
- if a user specifies an invalid value for how many records (page size), it should use a default value (20)
- if a user specifies an invalid value for an offset (index), it should use a default value (1)

Test Cases

The one where...	Test Case

I retrieve all claimed capabilities in one page	**Given**: there are (1, 2, 19, 20) claimed capability records (CC00, …) in CRM **And**: there is a solution record (S00) in CRM **And**: a solution record (S00) is associated with all claimed capability (CC00, …) in CRM **When**: I call the API with a CRM identifier of a solution (S00) **Then**: all claimed capability records (CC00, ..) are returned **And**: a HTTP status code of 200 is returned
the solution is not in CRM	**Given**: there are (1, 2, 19, 20) claimed capability records (CC00, …) in CRM **And**: I create an in-memory solution record (S00) **When**: I call the API with a CRM identifier of a solution (S00) **Then**: an empty list of claimed capability records is returned **And**: a HTTP status code of 404 is returned
I retrieve the first 3 claimed capabilities	**Given**: there are 66 claimed capability records (CC00, … CC65) in CRM **And**: there is a solution record (S00) in CRM **And**: a solution record (S00) is associated with all claimed capability (CC00, … CC65) in CRM **When**: I call the API with a page size of 3 and an index of 1 and CRM identifier of a solution (S00) **Then**: claimed capability records (CC00, CC01, CC02) are returned **And**: a HTTP status code of 200 is returned
I retrieve the second 3 claimed capabilities	**Given**: there are 66 claimed capability records (CC00, … CC65) in CRM **And**: there is a solution record (S00) in CRM **And**: a solution record (S00) is associated with all claimed capability (CC00, … CC65) in CRM **When**: I call the API with a page size of 3 and an index of 2 and CRM identifier of a solution (S00) **Then**: claimed capability records (CC03, CC04, CC05) are returned **And**: a HTTP status code of 200 is returned
I specify an invalid page size	**Given**: there are 66 claimed capability records (CC00, … CC65) in CRM **And**: there is a solution record (S00) in CRM **And**: a solution record (S00) is associated with all claimed capability (CC00, … CC65) in CRM **When**: I call the API with a page size of (-1, 0, 21, 60) and CRM identifier of a solution (S00) **Then**: first 20 (default page size) claimed capability records for (CC00 .. CC19) are returned **And**: a HTTP status code of 200 is returned
I specify an invalid index	**Given**: there are 66 claimed capability records (CC00, … CC65) in CRM **And**: there is a solution record (S00) in CRM **And**: a solution record (S00) is associated with all claimed capability (CC00, … CC65) in CRM **When**: I call the API with an index of (-1, 0) and CRM identifier of a solution (S00) **Then**: first 20 (default page size) claimed capability records for (CC00 .. CC19) are returned **And**: a HTTP status code of 200 is returned