Test-first design

# Team: 1-Admin/Dev

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# Interface tests (20 points for each interface, max 40)

**Tests for Wiki Interface’s CRUD(s) methods:**

Start Fresh

1. GetWikiPosts(WikiPosts[]) 🡪 WikiPosts[] empty?

Create a new Wiki Post (get back Wiki with Id 1)

1. CreateWikiPost(<subject1>, <author1>, <timestamp1>, <body1>, WikiId1)
   1. GetWikiPosts(WikiPosts[]) 🡪 WikiPosts[] ==[ <WikiId1>]?

Create a new Wiki Post (get back Wiki with Id 2)

1. CreateWikiPost(<subject2>, <author2>, <timestamp2>, <body2>, WikiId2)
   1. GetWikiPosts(WikiPosts[]) 🡪 WikiPosts[] == [<WikiId1>,<WikiId2>]?

Edit body of Wiki Post (with Wiki Id 1)

1. EditWikiPost(<WikiId1>, update body 🡪 “This is a test”, <WikiObject1>)
   1. GetWikiPost(<WikiId1>, WikiObject) 🡪 WikiObject1.body == “This is a test”?

Edit subject Wiki Post (with Wiki Id 1)

1. EditWikiPost(<WikiId1>, update subject 🡪 “French Onion Soup”, <WikiObject1>)
   1. GetWikiPost(<WikiId1>, WikiObject) 🡪 WikiObject1.subject == “French Onion Soup”?

Delete Wiki Post (with Wiki Id 1)

1. DeleteWikiPost(<WikiId1>)
   1. GetWikiPosts(WikiPosts[]) 🡪 GetWikiPosts[] == [<WikiPostId2>]?

Search wiki posts for all posts that contain a KeyWord1

1. Search(<KeyWord1>, WikiPosts[])
   1. WikiPosts[].each.contains(<KeyWord1>)?

**Tests for Machine Management Interface for any Region:**

Starting Fresh

1. GetMachinesInRegion([in]regionID1, [out]MachineID[], [out]MachineName[]) = MachineID[] and MachineName[] are empty?

Adding machines

1. AddMachine([in]regionID1, [in] MachineName1, [out] success,[out] CompleteTimeStamp) == Success = = true, CompletTimeStamp is valid data
   1. GetMachinesInRegion ([in]regionID1, [out]MachineID[], [out]MachineName[]) MachineID[] == MachineID1 , MachineName[] == MachineName1

Adding another machine

1. AddMachine([in]regionID1 [in]MachineName2, [out] success,[out] CompleteTimeStamp) == Success = = true, CompletTimeStamp is valid data
   1. GetMachinesInRegion ([in]regionID1, [out]MachineID[], [out]MachineName[]) MachineID[] == [MachineID1, MachineID2] , MachineName[] == [MachineName1, MachineName2]

Adding machine to a different region

1. AddMachine([in]regionID2, [in] MachineName3, [out] success,[out] CompleteTimeStamp) == Success = = true, CompletTimeStamp is valid data
   1. GetMachinesInRegion ([in]regionID2, [out]MachineID[], [out]MachineName[]) MachineID[] == MachineID3 , MachineName[] == MachineName3

Delete machine

1. DeleteMachine([in]regionID1 ,[in] MachineID1, [out] success,[out] CompleteTimeStamp) == Success = = true, CompletTimeStamp is valid data
   1. GetMachinesInRegion ([in]regionID1, [out]MachineID[], [out]MachineName[]) MachineID[] == MachineID2 , MachineName[] == MachineName2