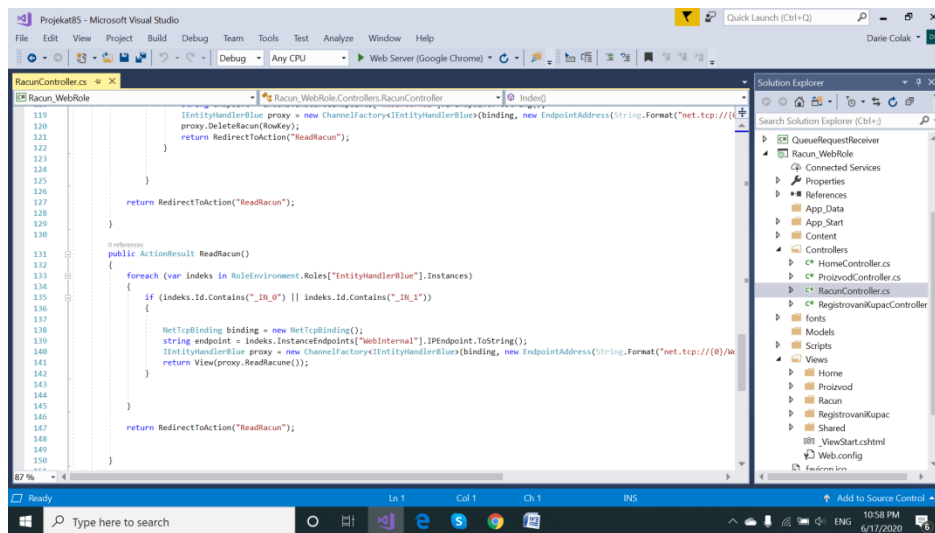


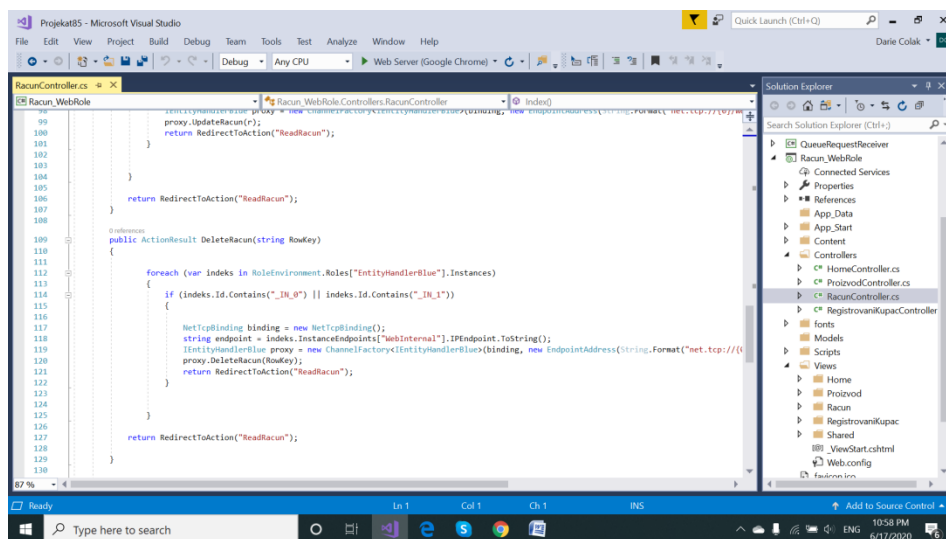
# Dokumentacija –Projekat 85

Listing kodova:

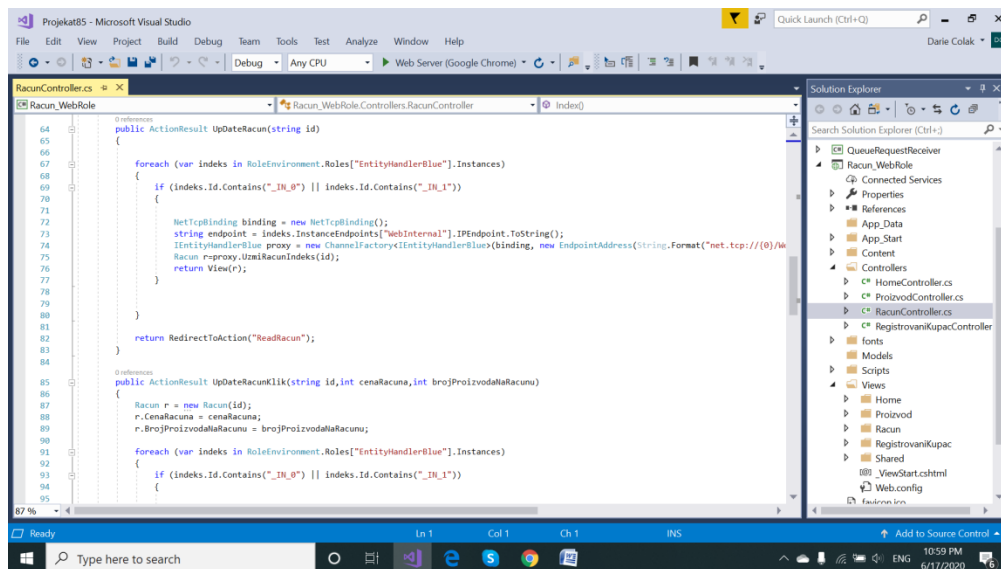
-Implementirana je prvo Web rola , u okviru web role implementirao sam controlere za primarne i sekundarne instance.Primjer metoda primarne instance iz kontrolera:



```
119
120
121     IEntityHandlerBlue proxy = new ChannelFactory<IEntityHandlerBlue>(binding, new EndpointAddress(String.Format("net.tcp://{0}:8080/{1}",
122     proxy.DeleteRacun(RowKey);
123     return RedirectToAction("ReadRacun");
124
125
126
127
128     return RedirectToAction("ReadRacun");
129
130
131     @references
132     public ActionResult ReadRacun()
133     {
134         foreach (var indeks in RoleEnvironment.Roles["EntityHandlerBlue"].Instances)
135         {
136             if (indeks.Id.Contains("_IH_0") || indeks.Id.Contains("_IH_1"))
137             {
138                 NetTcpBinding binding = new NetTcpBinding();
139                 string endpoint = indeks.InstanceEndpoints["WebInternal"].IPEndpoint.ToString();
140                 IEntityHandlerBlue proxy = new ChannelFactory<IEntityHandlerBlue>(binding, new EndpointAddress(String.Format("net.tcp://{0}:8080/{1}",
141                 return View(proxy.ReadRacun());
142             }
143         }
144     }
145
146     return RedirectToAction("ReadRacun");
147
148
149
150
}
```



```
99
100
101     IEntityHandlerBlue proxy = new ChannelFactory<IEntityHandlerBlue>(binding, new EndpointAddress(String.Format("net.tcp://{0}:8080/{1}",
102     proxy.UpdateRacun(r);
103     return RedirectToAction("ReadRacun");
104
105
106
107
108     return RedirectToAction("ReadRacun");
109
110     @references
111     public ActionResult DeleteRacun(string RowKey)
112     {
113         foreach (var indeks in RoleEnvironment.Roles["EntityHandlerBlue"].Instances)
114         {
115             if (indeks.Id.Contains("_IH_0") || indeks.Id.Contains("_IH_1"))
116             {
117                 NetTcpBinding binding = new NetTcpBinding();
118                 string endpoint = indeks.InstanceEndpoints["WebInternal"].IPEndpoint.ToString();
119                 IEntityHandlerBlue proxy = new ChannelFactory<IEntityHandlerBlue>(binding, new EndpointAddress(String.Format("net.tcp://{0}:8080/{1}",
120                 proxy.DeleteRacun(RowKey);
121                 return RedirectToAction("ReadRacun");
122             }
123         }
124     }
125
126
127     return RedirectToAction("ReadRacun");
128
129
130
}
```



Nazivi resursa:

-StorageTable:RacunTable,RegistrovaniKupacTable,ProizvodTable

-Queue:"promenaqueue"

Test slucaj:

-Web rola po default-u prima input request od WebClienta.Web rola komunicira dalje preko "WebInternal" endpoint-a sa "Blue" i "Green" worker rolama.Dalje worker role preko "DataConnectionString" komuniciraju sa storage tabelom.

EntityHandlerSelectorConsoleApp salje input request na loadbalancer(wcf komunikacija), loadbalancer prosledjuje poruku koja je uneta u konzoli ChangeRequestWorkerRole, ChangeRequestWorkerRole dalje preko "QueueConnectionString" upisuje u queue poruku , a preko istog tog stringa QueueRequestReceiver(Worker rola) preuzima poruku iz queue-a ,dalje treba da se prosledi Web roli kako bi Web rola znala da li komunicira preko EntityHandlerBlue(incijalno postavljen) ili EntityHandlerGreen sa storage tabelom.

-Kad je rec o instancama kod Blue-a i Green-a na dijagramu mi je naznaceno ,kojim instancama se salju primarni entiteti a kojim sekundarni entiteti.To sam odredio tako sto sam debugovao i video da se na kraju stringa nalazi id instance.

Darie Čolak pr46-2017