

# Primavera API for the Online BookShop Web App

Webservice ID	Webservice Description	Related Core View(s)	Input example	Expected Output
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Web Service	WS01
Description	Creates a new user/client
Related Core View s	Splash Page
Route	Base/Clientes/Atualiza
Input example	<pre>{   "Cliente": "1",   "Nome": "Manfred Reubens",   "Morada": "Praceta Conde Arnoso 60",   "CodigoPostal": "2640-467",   "Telefone": "6705966965",   "NumContribuinte": "64287048860",   "Pais": "PT",   "Moeda": "EUR" }</pre>
Expected Output	HTTP 204

Web Service	WS02
Description	Gets the relevant information of an user/client
Related Core View s	Profile Page
Route	Base/Clientes/Edita/{cliente_id}
Input example	<pre>cliente_id = "TIAGO" (parameter in the route)</pre>
	<pre>{   "CodigoTabLog": "Cliente",   "ChaveLog": "Cliente",   "EstadoBE": "",   "Cliente": "TIAGO",   "Nome": "Tiago Santos",   "Descricao": "",   "Morada": "Rua Eng. Farinas de Almeida, 313, 4º esq",   (...)   "CamposUtil": [     {       "Conteudo": "ValorValoremailxyz@gmail.com",       "Nome": "CDU_email",       "Valor": "emailxyz@gmail.com",       "Objecto": null,       "Tipo": 1,     }   ] }</pre>

Expected Output	<pre>         "ChaveLog": "Nome",         "EstadoBE": "",         "TipoSimplificado": 1       },       {         "Conteudo": "ValorValor03AC674216F3E15C761EE1A5E255F067953623C8B388B4459E13F978D7C846F4",         "Nome": "CDU_password_hash",         "Valor": "03AC674216F3E15C761EE1A5E255F067953623C8B388B4459E13F978D7C846F4",         "Objecto": null,         "Tipo": 1,         "ChaveLog": "Nome",         "EstadoBE": "",         "TipoSimplificado": 1       }     ],     (...)   } </pre>
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Web Service	WS03
Description	Updates the information of an user/client
Related Core Views	Profile Page
Route	Base/Cientes/Atualiza
Input example	<pre> //Input is the same as the output of WS02, but with some changed attributes, //such as Morada, CDU_email and CDU_password_hash {   "CodigoTabLog": "Cliente",   "ChaveLog": "Cliente",   "EstadoBE": "",   "Cliente": "TIAGO",   "Nome": "Tiago Santos",   "Descricao": "",   "Morada": "Nova Morada, 451",   (...)   "CamposUtil": [     (...)     {       "Conteudo": "ValorValornewemail@gmail.com",       "Nome": "CDU_email",       "Valor": "newemail@gmail.com",       "Objecto": null,       "Tipo": 1,       "ChaveLog": "Nome",       "EstadoBE": "",       "TipoSimplificado": 1     },     {       "Conteudo": "ValorValor253C2E786C2414DCAEC8DBF11DF515B5075371454B93A5687D24D96DDBF3B939",       "Nome": "CDU_password_hash",       "Valor": "253C2E786C2414DCAEC8DBF11DF515B5075371454B93A5687D24D96DDBF3B939",       "Objecto": null,       "Tipo": 1,       "ChaveLog": "Nome",       "EstadoBE": "",       "TipoSimplificado": 1     }   ],   (...) } </pre>

Expected Output	HTTP 204
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Web Service	WS04
Description	Gets all the relevant information of a book
Related Core Views	Book page
Route	Administrador/Consulta
Input example	<pre>-- select the relevant info of book "B0001"  Select Descricao, CDU_Autor, CDU_Sinopse, CDU_ISBN, CDU_Editora, CDU_Capa, CDU_Paginas, CDU_Ano, CDU_Dimensoes, Familia, CDU_Idioma, PVP1 from Artigo, ArtigoMoeda where Artigo.Artigo = 'B0001' and Artigo.Artigo = ArtigoMoeda.Artigo</pre>
Expected Output	<pre>{   "DataSet": {     "Table": [       {         "Descricao": "A Brief History Of Time",         "CDU_Autor": "Stephen Hawking",         "CDU_Sinopse": "A landmark volume in science writing by one of the great minds of our t",         "CDU_ISBN": "0857501003",         "CDU_Editora": "Transworld Publishers Ltd",         "CDU_Capa": "Paperback",         "CDU_Paginas": 272,         "CDU_Ano": "05 Feb 2015",         "CDU_Dimensoes": "127 x 198 x 17mm",         "Familia": "FICTION",         "CDU_Idioma": "English",         "PVP1": 25.99       }     ]   },   "Query": "System.Data.SqlClient.SqlCommand" }</pre>

Web Service	WS05
Description	Gets a set of books that belong to the specified category
Related Core Views	Book page
Route	Administrador/Consulta
	<pre>-- select all books that belong to the category "IT"</pre>

Input example	<pre>Select Artigo.Artigo, Descricao, PVP1, CDU_Autor from Artigo, ArtigoMoeda where Familia = 'IT' and Artigo.Artigo = ArtigoMoeda.Artigo</pre>
Expected Output	<pre>{   "DataSet": {     "Table": [       {         "Artigo": "B0003",         "Descricao": "Introdução à Programação em Java",         "PVP1": 20,         "CDU_Autor": "António Manuel Adrego da Rocha"       },       {         "Artigo": "B0004",         "Descricao": "Introdução à programação em C",         "PVP1": 25,         "CDU_Autor": "António Manuel Adrego da Rocha"       }     ]   },   "Query": "System.Data.SqlClient.SqlCommand" }</pre>

Web Service	WS06
Description	Searches books by title, including partial strings
Related Core View s	Book page
Route	Administrador/Consulta
Input example	<pre>-- select all books with "Intro" in the title  "Select Artigo.Artigo, Descricao, CDU_Autor, PVP1 from Artigo, ArtigoMoeda where Descricao like '%Intro%' and Artigo.Artigo = ArtigoMoeda.Artigo"</pre>
Expected Output	<pre>{   "DataSet": {     "Table": [       {         "Artigo": "B0003",         "Descricao": "Introdução à Programação em Java",         "CDU_Autor": "António Manuel Adrego da Rocha",         "PVP1": 20       },       {         "Artigo": "B0004",         "Descricao": "Introdução à programação em C",         "CDU_Autor": "António Manuel Adrego da Rocha",         "PVP1": 25       }     ]   },   "Query": "System.Data.SqlClient.SqlCommand" }</pre>

Web Service	WS07
Description	Makes a purchase of the specified items, producing a receipt/invoice
Related Core View s	Book page
Route	Administrador/Consulta
Input example	<pre> {   "Linhas": [     {       "Artigo": "B0001",       "Quantidade": "1"     },     {       "Artigo": "B0002",       "Quantidade": "1"     }   ],   "Tipodoc": "FR",   "Serie": "A",   "Entidade": "C0001",   "TipoEntidade": "C",   "DataDoc": "12/11/2018",   "DataVenc": "12/12/2018" } </pre>
Expected Output	HTTP 204