Informe Parte 4

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Static Analysis

Conjunto utilizado
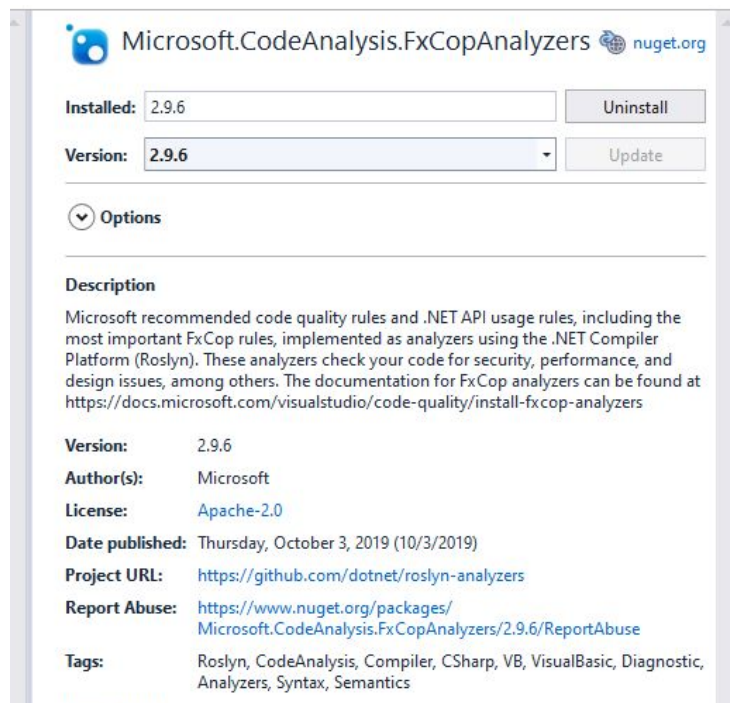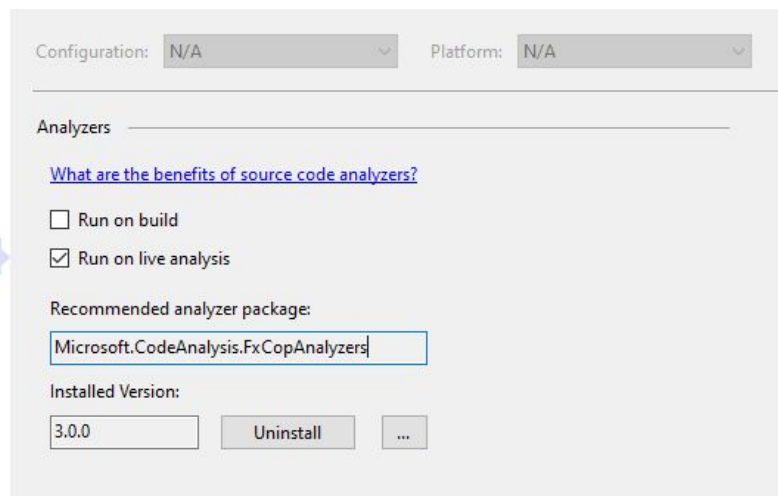
Error List

Severity	Code	Description	Project	Line	Suppression State
Warning	CA1707	Remove the underscores from member name AppointmentsTest.HasUser.HasUser_UserIsNull_ReturnsTrue().	AppointmentsTest	17	Active
Warning	CA1707	Remove the underscores from member name AppointmentsTest.HasUser.HasUser_UserIsCreator_ReturnsTrue().	AppointmentsTest	34	Active
Warning	CA1707	Remove the underscores from member name AppointmentsTest.HasUser.HasUser_UserIsOnList_ReturnsTrue().	AppointmentsTest	52	Active
Warning	CA1707	Remove the underscores from member name AppointmentsTest.HasUser.HasUser_UserIsNotCreator_ReturnsFalse().	AppointmentsTest	76	Active
Warning	CA1707	Remove the underscores from member name AppointmentsTest.HasUser.HasUser_UserIsNotOnList_ReturnsTrue().	AppointmentsTest	96	Active
Warning	CA1707	Remove the underscores from member name AppointmentsTest.Duration.Duration_HoursDifferece_ReturnsNotZero().	AppointmentsTest	123	Active
Warning	CA1707	Remove the underscores from member name AppointmentsTest.Duration.Duration_MinutesDifference_ReturnsZero().	AppointmentsTest	143	Active
Warning	CA1707	Remove the underscores from member name AppointmentsTest.ToString.ToString_CorrectAppointment_ReturnsTitle().	AppointmentsTest	171	Active
Warning	CA1707	Remove the underscores from member name AppointmentsTest.IsDate.IsDate_AllParamsAreCorrect_ReturnsTrue().	AppointmentsTest	198	Active
Warning	CA1707	Remove the underscores from member name AppointmentsTest.IsDate.IsDate_YearIsBad_ReturnsFalse().	AppointmentsTest	221	Active
Warning	CA1707	Remove the underscores from member name AppointmentsTest.IsDate.IsDate_MonthIsBad_ReturnsFalse().	AppointmentsTest	244	Active
Warning	CA1707	Remove the underscores from member name AppointmentsTest.IsDate.IsDate_DayIsBad_ReturnsFalse().	AppointmentsTest	267	Active
Warning	CA1707	Remove the underscores from member name AppointmentsTest.GetDescription.GetDescription_ValidAppointment_ReturnsDescription().	AppointmentsTest	298	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.StoreUserEmailForm.StoreUser	MainWindowTest	22	Active

		EmailForm_ValidEmailAndList_ListIsNotZero().			
Warning	CA1707	Remove the underscores from member name MainWindowTest.StoreUserEmailForm.StoreUser EmailForm_ValidEmailAndNullList_ListIsNull().	MainWindowTest	34	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.ProcessHourForForm.ProcessH ourForForm_ValidHourAndAMPM_ReturnsInt().	MainWindowTest	53	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.ProcessHourForForm.ProcessH ourForForm_ValidHourAndSecondAMPM_Return sInt().	MainWindowTest	67	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.ProcessHourForForm.ProcessH ourForForm_ValidHourNullAMPM_ReturnsInt().	MainWindowTest	82	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.ProcessHourForForm.ProcessH ourForForm_NullHourValidAMPM_ReturnsInt().	MainWindowTest	94	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.ProcessHourForForm.ProcessH ourForForm_NullHourAndAMPM_ReturnsInt().	MainWindowTest	106	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.ProcessMinuteForForm.Process MinuteForForm_firstIndexSelected_ReturnsInt().	MainWindowTest	123	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.ProcessMinuteForForm.Process MinuteForForm_secondIndexSelected_ReturnsInt ().	MainWindowTest	137	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.ProcessMinuteForForm.Process MinuteForForm_thirdIndexSelected_ReturnsInt().	MainWindowTest	152	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.ProcessMinuteForForm.Process MinuteForForm_fourthIndexSelected_ReturnsInt() .	MainWindowTest	167	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.ProcessMinuteForForm.Process HourForForm_NullMinute_ReturnsInt().	MainWindowTest	182	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.DeserializeUsers.DeserializeUs ers_FileContainUsers_ListIsNotZero().	MainWindowTest	201	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.DeserializeUsers.DeserializeUs ers_FileDontExist_ListIsZero().	MainWindowTest	212	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.DeserializeAppointments.Deseri alizeAppointments_FileContainAppointments_ListI	MainWindowTest	231	Active

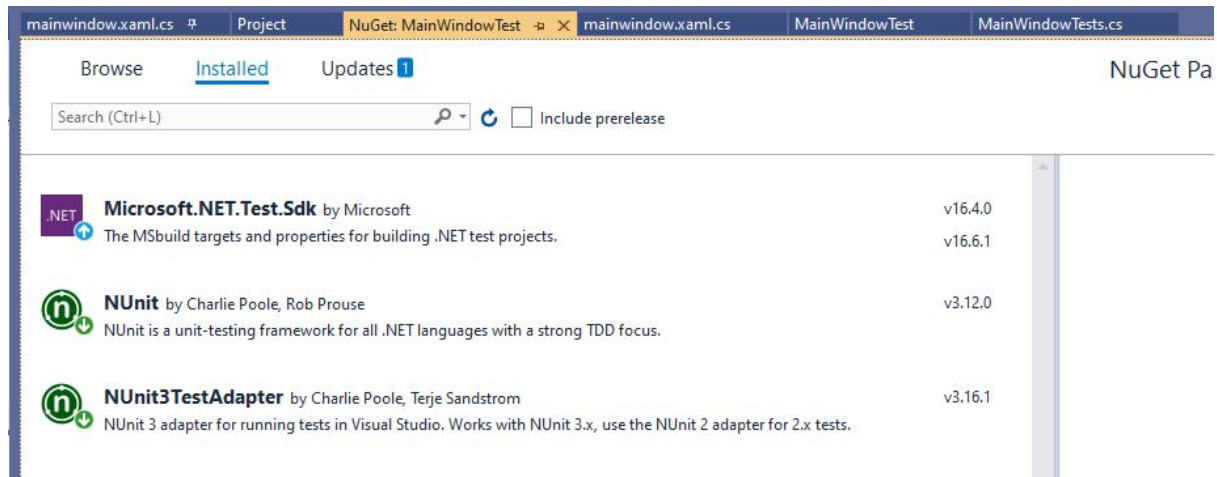|		sNotZero().			
Warning	CA1707	Remove the underscores from member name MainWindowTest.DeserializeAppointments.DeserializeAppointments_FileDontExist_ListIsZero().	MainWindowTest	242	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.IsValid.IsValidEmail_ValidEmail_ReturnsTrue().	MainWindowTest	263	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.IsValid.IsValidEmail_InvalidEmail_ReturnsFalse().	MainWindowTest	272	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.IsValid.IsValidEmail_NullEmail_ReturnsFalse().	MainWindowTest	281	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.FillWeekListWithAppointments. FillWeekListWithAppointments_NoAppointmentsValidDate_AppointmentsZero().	MainWindowTest	298	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.FillWeekListWithAppointments. FillWeekListWithAppointments_NullAppointmentsValidDate_WeekAppointmentsNull().	MainWindowTest	310	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.FillWeekListWithNumbers.FillWeekListWithNumbers_NoNumberValidDate_NumbersNoZero().	MainWindowTest	329	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.FillWeekListWithNumbers.FillWeekListWithNumbers_NullNumberValidDate_NumberNull().	MainWindowTest	340	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.CreateAppointmentLabel.CreateAppointmentLabel_NullAppointmentsMonthView_ReturnsNull().	MainWindowTest	359	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.CreateAppointmentLabel.CreateAppointmentLabel_NullAppointmentsWeekView_ReturnsNull().	MainWindowTest	369	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.CreateAppointmentLabel.CreateAppointmentLabel_ValidAppointmentsMonthView_ReturnsLabelRight().	MainWindowTest	379	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.CreateAppointmentLabel.CreateAppointmentLabel_ValidAppointmentsWeekView_ReturnsLabelCenter().	MainWindowTest	406	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.CreateNumberLabel.CreateNu	MainWindowTest	441	Active

Warning	CA1707	Remove the underscores from member name MainWindowTest.CreateNumberLabel.CreateNumberLabel_ValidTextMonthView_ReturnsLabelLeftAlignment().			
Warning	CA1707	Remove the underscores from member name MainWindowTest.CreateNumberLabel.CreateNumberLabel_ValidTextWeekView_ReturnsLabelCenterAlignment().	MainWindowTest	458	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.CreateNumberLabel.CreateNumberLabel_NullTextValidView_ReturnsLabelNullContent().	MainWindowTest	474	Active
Warning	CA1707	Remove the underscores from member name MainWindowTest.SerializeUsers.SerializeUsers_ValiduserListAndFilePath_FileIsWritten().	MainWindowTest	493	Active
Warning	CA1707	Remove the underscores from member name UserTest.Tests.ToString_CorrectUser_ReturnsEmail().	UsersTest	14	Active

Explicación

El Warning es del códifo "CA1707", el cuál menciona que para los Metodos no se debe utilizar los "_" para separar las palabras, sin embargo para cumplir los requerimientos de esta entrega los cuales menciona que se debe usar la convención [MethodUnderTest]_[InputsTested]_[ExpectedBehaviour], se dejarán sin cambiarse.

Unit Test

Para los unit testing se utilizó NUnit

Para los distintos tests, se realizaron para las distintas clases en el proyecto.

Appointments:

MainWindow:

▲ ✅ MainWindowTest (31)	659 ms
▲ ✅ CreateAppointmentLabel (4)	326 ms
✅ CreateAppointmentLabel_NullAppointmentsMonthView_ReturnsNull	80 ms
✅ CreateAppointmentLabel_NullAppointmentsWeekView_ReturnsNull	< 1 ms
✅ CreateAppointmentLabel_ValidAppointmentsMonthView_ReturnsLabelRight	240 ms
✅ CreateAppointmentLabel_ValidAppointmentsWeekView_ReturnsLabelCenter	6 ms
▲ ✅ CreateNumberLabel (3)	15 ms
✅ CreateNumberLabel_NullTextValidView_ReturnsLabelNullContent	1 ms
✅ CreateNumberLabel_ValidTextMonthView_ReturnsLabeLeftAlignment	7 ms
✅ CreateNumberLabel_ValidTextWeekView_ReturnsLabelCenterAlignment	7 ms
▲ ✅ DeserializeAppointments (2)	15 ms
✅ DeserializeAppointments_FileContainAppointments_ListIsNotZero	15 ms
✅ DeserializeAppointments_FileDontExist_ListIsZero	< 1 ms
▲ ✅ DeserializeUsers (2)	1 ms
✅ DeserializeUsers_FileContainUsers_ListIsNotZero	1 ms
✅ DeserializeUsers_FileDontExist_ListIsZero	< 1 ms
▲ ✅ FillWeekListWithAppointments (2)	287 ms
✅ FillWeekListWithAppointments_NoAppointmentsValidDate_AppointmentsZero	248 ms
✅ FillWeekListWithAppointments_NullAppointmentsValidDate_WeekAppointmentsNull	39 ms
▲ ✅ FillWeekListWithNumbers (2)	< 1 ms
✅ FillWeekListWithNumbers_NoNumberValidDate_NumbersNoZero	< 1 ms
✅ FillWeekListWithNumbers_NullNumberValidDate_NumberNull	< 1 ms
▲ ✅ IsValid (3)	2 ms
✅ IsValidEmail_InvalidEmail_ReturnsFalse	2 ms
✅ IsValidEmail_NullEmail_ReturnsFalse	< 1 ms
✅ IsValidEmail_ValidEmail_ReturnsTrue	< 1 ms
▲ ✅ ProcessHourForForm (5)	6 ms
✅ ProcessHourForForm_NullHourAndAMPM_ReturnsInt	1 ms
✅ ProcessHourForForm_NullHourValidAMPM_ReturnsInt	1 ms
✅ ProcessHourForForm_ValidHourAndAMPM_ReturnsInt	2 ms
✅ ProcessHourForForm_ValidHourAndSecondAMPM_ReturnsInt	1 ms
✅ ProcessHourForForm_ValidHourNullAMPM_ReturnsInt	1 ms
▲ ✅ ProcessMinuteForForm (5)	6 ms
✅ ProcessHourForForm_NullMinute_ReturnsInt	< 1 ms
✅ ProcessMinuteForForm_firstIndexSelected_ReturnsInt	2 ms
✅ ProcessMinuteForForm_fourthIndexSelected_ReturnsInt	1 ms
✅ ProcessMinuteForForm_secondIndexSelected_ReturnsInt	2 ms
✅ ProcessMinuteForForm_thirdIndexSelected_ReturnsInt	1 ms
▲ ✅ SerializeUsers (1)	< 1 ms
✅ SerializeUsers_ValiduserListAndFilePath_FileIsWritten	< 1 ms
▲ ✅ StoreUserEmailForm (2)	1 ms
✅ StoreUserEmailForm_ValidEmailAndList_ListIsNotZero	1 ms
✅ StoreUserEmailForm_ValidEmailAndNullList_ListIsNull	< 1 ms

User:

▲ ✅ UsersTest (1)		46 ms
▲ ✅ UserTest (1)		46 ms
▲ ✅ Tests (1)		46 ms
✅ ToString_CorrectUser_ReturnsEmail		46 ms

Coverage Unit Testing

Hierarchy	Not Covered (Blocks)	Not Covered (% Blocks)	Covered (Blocks)	Covered (% Blocks)
▲ ⬛ BenNa_MSI 2020-07-02 11_44_32.coverage	500	42.88%	666	57.12%
▷ ⬛ appointmentstest.dll	0	0.00%	141	100.00%
▷ ⬛ mainwindowtest.dll	0	0.00%	230	100.00%
▲ ⬛ project.dll	500	63.37%	289	36.63%
▲ { } Project	500	63.37%	289	36.63%
▷ Appointment	1	1.05%	94	98.95%
▷ MainWindow	496	72.62%	187	27.38%
▷ MainWindow.<>c__DisplayCl...	3	100.00%	0	0.00%
▷ User	0	0.00%	8	100.00%
▷ ⬛ userstest.dll	0	0.00%	6	100.00%