

Test de unidad - Casos de prueba (caja negra)**Grupo 05:** Lanzillotta, Franco - Vilchez, Sol

No se requirió realizar ninguna modificación en el código, debido a que la interfaz gráfica ya asegura que los valores que lleguen a los métodos analizados nunca sean de las índoles que causan los errores que se hallaron.

AltaAlumno			
Alumnos = { }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
ValoresCorrectos	("Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	Alumno creado	PASS
ValoresLimites	("Pico", "Juan", "Falucho", 1, "2", "j@j")	Alumno creado	PASS
EmailSinArroba	("Pico", "Juan", "Falucho", 3433, "2235357381", "jjjjjjj.com")	EmailInvalidoException	PASS
EmailSinCaracteresAntes	("Pico", "Juan", "Falucho", 3433, "2235357381", "@jjjj.com")	EmailInvalidoException	PASS
EmailSinCaracteresDespues	("Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@")	EmailInvalidoException	PASS
EmailUnCaracterDespues	("Pico", "Juan", "Falucho", 3433, "2235357381", "@j")	EmailInvalidoException	PASS
LegajoUnicoValido	("Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com") ("Ponce", "Emanuel", "Colon", 1234, "2236543210", "eeee@eeee.com")	Los legajos cumplen con la máscara y son distintos	PASS
NombreNull	("Pico", null, "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Alumno creado
NombreVacio	("Pico", "", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Alumno creado
ApellidoNull	(null, "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Alumno creado
ApellidoVacio	("", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Alumno creado
CalleNull	("Pico", "Juan", null, 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Alumno creado
CalleVacía	("Pico", "Juan", "", 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Alumno creado
NumeroNegativo	("Pico", "Juan", "Falucho", -1223, "2235357381", "jjjj@jjjj.com")	ERROR	Alumno creado
NumeroValorLimite	("Pico", "Juan", "Falucho", -1, "2235357381", "jjjj@jjjj.com")	ERROR	Alumno creado
TelefonoNull	("Pico", "Juan", "Falucho", 3433, null, "jjjj@jjjj.com")	ERROR	Alumno creado
TelefonoVacio	("Pico", "Juan", "Falucho", 3433, "", "jjjj@jjjj.com")	ERROR	Alumno creado

AltaProfesor			
Profesores = { }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
ValoresCorrectos	("Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	Profesor creado	PASS
ValoresLimites	("Pico", "Juan", "Falucho", 1, "2", "j@j")	Profesor creado	PASS
EmailSinArroba	("Pico", "Juan", "Falucho", 3433, "2235357381", "jjjjjjjj.com")	EmailInvalidoException	PASS
EmailSinCaracteresAntes	("Pico", "Juan", "Falucho", 3433, "2235357381", "@jjjj.com")	EmailInvalidoException	PASS
EmailSinCaracteresDespues	("Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@")	EmailInvalidoException	PASS
EmailUnCaracterDespues	("Pico", "Juan", "Falucho", 3433, "2235357381", "@")	EmailInvalidoException	PASS
LegajoUnicoValido	("Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com") ("Ponce", "Emanuel", "Colon", 1234, "2236543210", "eeee@eeee.com")	Los legajos cumplen con la máscara y son distintos	PASS
NombreNull	("Pico", null, "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Profesor creado
NombreVacio	("Pico", "", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Profesor creado
ApellidoNull	(null, "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Profesor creado
ApellidoVacio	("", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Profesor creado
CalleNull	("Pico", "Juan", null, 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Profesor creado
CalleVacía	("Pico", "Juan", "", 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Profesor creado
NumeroNegativo	("Pico", "Juan", "Falucho", -1223, "2235357381", "jjjj@jjjj.com")	ERROR	Profesor creado
NumeroValorLimite	("Pico", "Juan", "Falucho", -1, "2235357381", "jjjj@jjjj.com")	ERROR	Profesor creado
TelefonoNull	("Pico", "Juan", "Falucho", 3433, null, "jjjj@jjjj.com")	ERROR	Profesor creado
TelefonoVacio	("Pico", "Juan", "Falucho", 3433, "", "jjjj@jjjj.com")	ERROR	Profesor creado

AltaAsignatura			
Asignaturas = { }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
NombreCorrecto	("mateA")	Asignatura creada	PASS
NombreNull	(null)	ERROR	Asignatura creada
NombreVacio	("")	ERROR	Asignatura creada
IdentificacionUnicaValida	("mateA") ("mateB")	Las identificaciones cumplen con la máscara y son distintas	PASS

BajaAlumno			
Alumnos = { ("ALU0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", { }) }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
LegajoExistente	("ALU0001")	Alumno dado de baja	PASS
LegajoNull	(null)	IdInvalidoException	NullPointerException
LegajoInvalido	("adadada")	IdInvalidoException	PASS
LegajoInexistente	("ALU0003")	IdInvalidoException	PASS

BajaProfesor			
Profesores = { ("PRO0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", { }) }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
LegajoExistente	("PRO0001")	Profesor dado de baja	PASS
LegajoNull	(null)	IdInvalidoException	NullPointerException
LegajoInvalido	("adadada")	IdInvalidoException	PASS
LegajoInexistente	("PRO0003")	IdInvalidoException	PASS

BajaAsignatura			
Asignaturas = { ("ASI0001", "mateA", { }) }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
IdentificacionExistente	("ASI0001")	Asignatura dada de baja	PASS
IdentificacionNull	(null)	IdInvalidoException	NullPointerException
IdentificacionInvalida	("adadada")	IdInvalidoException	PASS
IdentificacionInexistente	("ASI0003")	IdInvalidoException	PASS

UbicaAlumno			
Alumnos = { ("ALU0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", { }) }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
AlumnoExistente	("Pico", "Juan")	{ ("ALU0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", { }) }	PASS
AlumnoInexistente	("Ponce", "Emanuel")	{ }	PASS
NombreNull	("Pico", null)	ERROR	NullPointerException
NombreVacio	("Pico", "")	{ ("ALU0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", { }) }	PASS
ApellidoNull	(null, "Juan")	ERROR	NullPointerException
ApellidoVacio	("", "Juan")	{ ("ALU0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", { }) }	PASS

UbicaProfesor			
Profesores = { ("PRO0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", { }) }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
ProfesorExistente	("Pico", "Juan")	{ ("PRO0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", { }) }	PASS
ProfesorInexistente	("Ponce", "Emanuel")	{ }	PASS
NombreNull	("Pico", null)	ERROR	NullPointerException
NombreVacio	("Pico", "")	{ ("PRO0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", { }) }	PASS
ApellidoNull	(null, "Juan")	ERROR	NullPointerException
ApellidoVacio	("", "Juan")	{ ("PRO0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", { }) }	PASS

UbicaAsignatura			
Asignaturas = { ("ASI0001", "mateA", { }) }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
AsignaturaExistente	("mateA")	{ ("ASI0001", "mateA", { }) }	PASS
AsignaturaInexistente	("mateB")	{ }	PASS
NombreNull	(null)	ERROR	NullPointerException

ConsultaAlumno			
Alumnos = { ("ALU0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", { }) }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
LegajoExistente	("ALU0001")	{ ("ALU0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", { }) }	PASS
LegajoNull	(null)	IdInvalidoException	NullPointerException
LegajoVacio	("")	IdInvalidoException	PASS
LegajoInvalido	("XXXXXX")	IdInvalidoException	PASS
LegajoInexistente	("ALU2222")	IdInvalidoException	PASS

ConsultaProfesor			
Profesores = { ("PRO0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", { }) }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
LegajoExistente	("PRO0001")	{ ("PRO0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", { }) }	PASS
LegajoNull	(null)	IdInvalidoException	NullPointerException
LegajoVacio	("")	IdInvalidoException	PASS
LegajoInvalido	("XXXXXX")	IdInvalidoException	PASS
LegajoInexistente	("PRO2222")	IdInvalidoException	PASS

ConsultaAsignatura			
Asignaturas = { ("ASI0001", "mateA", { }) }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
IdentificacionExistente	("ASI0001")	{ ("ASI0001", "mateA", { }) }	PASS
IdentificacionNull	(null)	IdInvalidoException	NullPointerException
IdentificacionVacia	("")	IdInvalidoException	PASS
IdentificacionInvalida	("XXXXXX")	IdInvalidoException	PASS
IdentificacionInexistente	("ASI2222")	IdInvalidoException	PASS

ConsultaCursada			
Asignaturas = { ("ASI0001", "mateA", { }) }			
Cursadas = { ("CUR0001", ("ASI0001", "mateA", ...), "01-2017", "LUNES", "10:00", "12:00", { }, { }) }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
IdentificacionExistente	("CUR0001")	{ ("CUR0001", ("ASI0001", "mateA", ...), "01-2017", "LUNES", "10:00", "12:00", { }, { }) }	PASS
IdentificacionNull	(null)	IdInvalidoException	NullPointerException
IdentificacionVacia	("")	IdInvalidoException	PASS
IdentificacionInvalida	("XXXXXX")	IdInvalidoException	PASS
IdentificacionInexistente	("CUR2222")	IdInvalidoException	PASS

AltaCursada			
Asignaturas = { ("ASI0001", "mateA", { }) } Cursadas = { }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
ValoresCorrectos	("ASI0001", "01-2017", "LUNES", "10:00", "12:00")	Cursada creada	PASS
IdAsignaturaNull	(null, "01-2017", "LUNES", "10:00", "12:00")	IdInvalidoException	NullPointerException
IdAsignaturaVacio	("", "01-2017", "LUNES", "10:00", "12:00")	IdInvalidoException	PASS
IdAsignaturaInexistente	("ASI3333", "01-2017", "LUNES", "10:00", "12:00")	IdInvalidoException	PASS
IdentificacionUnicaValida	("ASI0001", "01-2017", "LUNES", "10:00", "12:00") ("ASI0001", "02-2017", "MIERCOLES", "18:00", "20:00")	Las identificaciones cumplen con la máscara y son distintas	PASS
HoraInicioNegativa	("ASI0001", "01-2017", "LUNES", "-34:00", "12:00")	HoraInvalidaException	PASS
HoraInicioGrande	("ASI0001", "01-2017", "LUNES", "65:00", "10:00")	HoraInvalidaException	PASS
HoraInicioNoNumerica	("ASI0001", "01-2017", "LUNES", "xx", "10:00")	HoraInvalidaException	PASS
HoraFinNegativa	("ASI0001", "01-2017", "LUNES", "08:00", "-12:00")	HoraInvalidaException	PASS
HoraFinGrande	("ASI0001", "01-2017", "LUNES", "08:00", "65:00")	HoraInvalidaException	PASS
HoraFinNoNumerica	("ASI0001", "01-2017", "LUNES", "08:00", "xx")	HoraInvalidaException	PASS
PeriodoNull	("ASI0001", null, "LUNES", "10:00", "12:00")	PeriodoInvalidoException	NullPointerException
PeriodoVacio	("ASI0001", "", "LUNES", "10:00", "12:00")	PeriodoInvalidoException	PASS
PeriodoInvalido	("ASI0001", "adsadasd", "LUNES", "10:00", "12:00")	PeriodoInvalidoException	PASS
HoraFinMenorInicio	("ASI0001", "01-2017", "LUNES", "12:00", "10:00")	HoraInvalidaException	PASS
HoraFinMenorInicioLimite	("ASI0001", "01-2017", "LUNES", "11:00", "10:00")	HoraInvalidaException	PASS

BajaCursada			
Asignaturas = { ("ASI0001", "mateA", { }) } Cursadas = { ("CUR0001", ("ASI0001", "mateA", ...), "01-2017", "LUNES", "10:00", "12:00", { }, { }) }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
IdentificacionExistente	("CUR0001")	Cursada dada de baja	PASS
IdentificacionNull	(null)	IdInvalidoException	NullPointerException
IdentificacionInvalida	("adadada")	IdInvalidoException	PASS
IdentificacionInexistente	("CUR0003")	IdInvalidoException	PASS

ModificaAlumno			
Alumnos = { ("ALU0001", "Ponce", "Emanuel", "Colon", 1234, "2236543210", "eeee@eeee.com", { }) }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
ValoresCorrectos	("ALU0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	Alumno modificado	PASS
EmailSinArroba	("ALU0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjjjjj.com")	EmailInvalidoException	PASS
EmailSinCaracteresAntes	("ALU0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "@jjjj.com")	EmailInvalidoException	PASS
EmailSinCaracteresDespues	("ALU0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@")	EmailInvalidoException	PASS
LegajoNull	(null, "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	IdInvalidoException	NullPointerException
LegajoVacio	("", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	IdInvalidoException	PASS
LegajoInexistente	("ALU2323", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	IdInvalidoException	PASS
NombreNull	("ALU0001", "Pico", null, "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Alumno modificado
NombreVacio	("ALU0001", "Pico", "", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Alumno modificado
ApellidoNull	("ALU0001", null, "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Alumno modificado
ApellidoVacio	("ALU0001", "", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Alumno modificado
CalleNull	("ALU0001", "Pico", "Juan", null, 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Alumno modificado
CalleVacia	("ALU0001", "Pico", "Juan", "", 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Alumno modificado
NumeroValorLimite	("ALU0001", "Pico", "Juan", "Falucho", -1, "2235357381", "jjjj@jjjj.com")	ERROR	Alumno modificado
TelefonoNull	("ALU0001", "Pico", "Juan", "Falucho", 3433, null, "jjjj@jjjj.com")	ERROR	Alumno modificado
TelefonoVacio	("ALU0001", "Pico", "Juan", "Falucho", 3433, "", "jjjj@jjjj.com")	ERROR	Alumno modificado

ModificaProfesor			
Profesores = { ("PRO0001", "Ponce", "Emanuel", "Colon", 1234, "2236543210", "eeee@eeee.com", { }) }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
ValoresCorrectos	("PRO0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	Profesor modificado	PASS
EmailSinArroba	("PRO0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjjjjj.com")	EmailInvalidoException	PASS
EmailSinCaracteresAntes	("PRO0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "@jjjj.com")	EmailInvalidoException	PASS
EmailSinCaracteresDespues	("PRO0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@")	EmailInvalidoException	PASS
LegajoNull	(null, "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	IdInvalidoException	NullPointerException
LegajoVacio	("", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	IdInvalidoException	PASS
LegajoInexistente	("PRO2323", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	IdInvalidoException	PASS
NombreNull	("PRO0001", "Pico", null, "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Profesor modificado
NombreVacio	("PRO0001", "Pico", "", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Profesor modificado
ApellidoNull	("PRO0001", null, "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Profesor modificado
ApellidoVacio	("PRO0001", "", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Profesor modificado
CalleNull	("PRO0001", "Pico", "Juan", null, 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Profesor modificado
CalleVacia	("PRO0001", "Pico", "Juan", "", 3433, "2235357381", "jjjj@jjjj.com")	ERROR	Profesor modificado
NumeroValorLimite	("PRO0001", "Pico", "Juan", "Falucho", -1, "2235357381", "jjjj@jjjj.com")	ERROR	Profesor modificado
TelefonoNull	("PRO0001", "Pico", "Juan", "Falucho", 3433, null, "jjjj@jjjj.com")	ERROR	Profesor modificado
TelefonoVacio	("PRO0001", "Pico", "Juan", "Falucho", 3433, "", "jjjj@jjjj.com")	ERROR	Profesor modificado

ModificaAsignatura			
Asignaturas = { ("ASI0001", "mateB", { }) }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
NombreCorrecto	("ASI0001", "mateA")	Asignatura modificada	PASS
NombreNull	("ASI0001", null)	ERROR	Asignatura modificada
NombreVacio	("ASI0001", "")	ERROR	Asignatura modificada
IdenficacionNull	(null, "mateA")	IdInvalidoException	NullPointerException
IdenficacionVacia	("", "mateA")	IdInvalidoException	PASS
IdenficacionInexistente	("ASI2323", "mateA")	IdInvalidoException	PASS

ModificaCursada			
Asignaturas = { ("ASI0001", "mateA", { }) } Cursadas = { ("CUR0001", ("ASI0001", "mateA", ...), "02-2017", "MIERCOLES", "18:00", "20:00", { }, { }) }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
ValoresCorrectos	("CUR0001", "01-2017", "LUNES", "10:00", "12:00")	Cursada modificada	PASS
IdentificacionNull	(null, "01-2017", "LUNES", "10:00", "12:00")	IdInvalidoException	NullPointerException
IdentificacionVacía	("", "01-2017", "LUNES", "10:00", "12:00")	IdInvalidoException	PASS
IdentificacionInexistente	("CUR3333", "01-2017", "LUNES", "10:00", "12:00")	IdInvalidoException	PASS
HorainicioNegativa	("CUR0001", "01-2017", "LUNES", "-34:00", "12:00")	HorainvalidaException	PASS
HorainicioGrande	("CUR0001", "01-2017", "LUNES", "65:00", "10:00")	HorainvalidaException	PASS
HorainicioNoNumerica	("CUR0001", "01-2017", "LUNES", "xxx", "10:00")	HorainvalidaException	PASS
HoraFinNegativa	("CUR0001", "01-2017", "LUNES", "08:00", "-12:00")	HorainvalidaException	PASS
HoraFinGrande	("CUR0001", "01-2017", "LUNES", "08:00", "65:00")	HorainvalidaException	PASS
HoraFinNoNumerica	("CUR0001", "01-2017", "LUNES", "08:00", "xxx")	HorainvalidaException	PASS
PeriodoNull	("CUR0001", null, "LUNES", "10:00", "12:00")	PeriodoInvalidoException	NullPointerException
PeriodoVacio	("CUR0001", "", "LUNES", "10:00", "12:00")	PeriodoInvalidoException	PASS
PeriodoInvalido	("CUR0001", "adsadasd", "LUNES", "10:00", "12:00")	PeriodoInvalidoException	PASS
HoraFinMenorInicio	("CUR0001", "01-2017", "LUNES", "12:00", "10:00")	HorainvalidaException	PASS
HoraFinMenorInicioLimite	("CUR0001", "01-2017", "LUNES", "11:00", "10:00")	HorainvalidaException	PASS

AprobarAlumno			
Alumnos = { ("ALU0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", { }) } Asignaturas = { ("ASI0001", "mateA", { }) } Cursadas = { ("CUR0001", ("ASI0001", "mateA", ...), "01-2017", "LUNES", "10:00", "12:00", { }, { }) }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
ValoresCorrectos	("ALU0001", "CUR0001")	Asignatura aprobada	PASS
IdAlumnoNull	(null, "CUR0001")	IdInvalidoException	NullPointerException
IdAlumnoVacio	("", "CUR0001")	IdInvalidoException	PASS
IdAlumnoInexistente	("ALU2222", "CUR0001")	IdInvalidoException	PASS
IdCursadaNull	("ALU0001", null)	IdInvalidoException	NullPointerException
IdCursadaVacio	("ALU0001", "")	IdInvalidoException	PASS
IdCursadaInexistente	("ALU0001", "CUR2222")	IdInvalidoException	PASS

RemoveAsignaturaAlumno			
Alumnos = { ("ALU0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", { ("ASI0001", "mateA", ...), ("ASI0002", "mateB", ...) }) } Asignaturas = { ("ASI0001", "mateA", { }), ("ASI0002", "mateB", { ("ASI0001", "mateA", ...) }) }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
ValoresCorrectos	("ALU0001", "ASI0002")	Asignatura removida	PASS
IdAlumnoNull	(null, "ASI0002")	IdInvalidoException	NullPointerException
IdAlumnoVacio	("", "ASI0002")	IdInvalidoException	PASS
IdAlumnoInexistente	("ALU2222", "ASI0002")	IdInvalidoException	PASS
IdAsignaturaNull	("ALU0001", null)	IdInvalidoException	NullPointerException
IdAsignaturaVacio	("ALU0001", "")	IdInvalidoException	PASS
IdAsignaturaInexistente	("ALU0001", "ASI2222")	IdInvalidoException	PASS
AsignaturaConCorrelativas	("ALU0001", "ASI0001")	IdInvalidoException	PASS

AddCompetencia			
Profesores = { ("PRO0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", {"("ASI0002", "mateB", ...) }) } Asignaturas = { ("ASI0001", "mateA", { }), {"("ASI0002", "mateB", { }) } }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
ValoresCorrectos	("PRO0001", "ASI0001")	Competencia agregada	PASS
IdProfesorNull	(null, "ASI0001")	IdInvalidoException	NullPointerException
IdProfesorVacio	("", "ASI0001")	IdInvalidoException	PASS
IdProfesorInexistente	("PRO2222", "ASI0001")	IdInvalidoException	PASS
IdAsignaturaNull	("PRO0001", null)	IdInvalidoException	NullPointerException
IdAsignaturaVacio	("PRO0001", "")	IdInvalidoException	PASS
IdAsignaturaInexistente	("PRO0001", "ASI2222")	IdInvalidoException	PASS
CompetenciaYaAgregada	("PRO0001", "ASI0002")	EntidadInvalidaException	PASS

RemoveCompetencia			
Profesores = { ("PRO0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", {"("ASI0001", "mateA", ...) }) } Asignaturas = { ("ASI0001", "mateA", { }), {"("ASI0002", "mateB", { }) } }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
ValoresCorrectos	("PRO0001", "ASI0001")	Competencia removida	PASS
IdProfesorNull	(null, "ASI0001")	IdInvalidoException	NullPointerException
IdProfesorVacio	("", "ASI0001")	IdInvalidoException	PASS
IdProfesorInexistente	("PRO2222", "ASI0001")	IdInvalidoException	PASS
IdAsignaturaNull	("PRO0001", null)	IdInvalidoException	NullPointerException
IdAsignaturaVacio	("PRO0001", "")	IdInvalidoException	PASS
IdAsignaturaInexistente	("PRO0001", "ASI2222")	IdInvalidoException	PASS
CompetenciaNoAgregada	("PRO0001", "ASI0002")	IdInvalidoException	PASS

AddAlumnoCursada			
Alumnos = { ("ALU0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", {"("ASI0003", "fisica", ...) }) } Asignaturas = { ("ASI0000", "mateA", { }), {"("ASI0001", "mateB", { }), {"("ASI0002", "mateC", {"("ASI0001", "mateB", ...) }, {"("ASI0003", "fisica", { }) } } } Cursadas = { ("CUR0000", {"("ASI0001", "mateB", ...) }, "01-2017", "MIERCOLES", "18:00", "20:00", { }, { }), {"("CUR0001", {"("ASI0000", "mateA", ...) }, "01-2017", "LUNES", "10:00", "12:00", {"("ALU0001", "Pico", "Juan", ...) }, { }), {"("CUR0002", {"("ASI0001", "mateB", ...) }, "01-2017", "LUNES", "10:00", "12:00", { }, { }), {"("CUR0003", {"("ASI0002", "mateC", ...) }, "02-2017", "VIERNES", "15:00", "17:00", { }, { }), {"("CUR0004", {"("ASI0003", "fisica", ...) }, "02-2017", "SABADO", "08:00", "10:00", { }, { }) } }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
ValoresCorrectos	("ALU0001", "CUR0000")	Alumno agregado	PASS
IdAlumnoNull	(null, "CUR0000")	IdInvalidoException	NullPointerException
IdAlumnoVacio	("", "CUR0000")	IdInvalidoException	PASS
IdAlumnoInexistente	("ALU2222", "CUR0000")	IdInvalidoException	PASS
IdCursadaNull	("ALU0001", null)	IdInvalidoException	NullPointerException
IdCursadaVacio	("ALU0001", "")	IdInvalidoException	PASS
IdCursadaInexistente	("ALU0001", "CUR2222")	IdInvalidoException	PASS
AsignaturaAprobada	("ALU0001", "CUR0004")	EntidadInvalidaException	PASS
AlumnoNoHabilitado	("ALU0001", "CUR0003")	EntidadInvalidaException	PASS
DisponibilidadHoraria	("ALU0001", "CUR0002")	HorarioNoViableException	PASS

RemoveAlumnoCursada			
Alumnos = { ("ALU0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", {}), ("ALU0002", "Ponce", "Emanuel", "Colon", 1234, "2236543210", "eeee@eeee.com", {})} Asignaturas = { ("ASI0001", "mateA", {})} Cursadas = { ("CUR0001", ("ASI0001", "mateA", ...), "01-2017", "LUNES", "10:00", "12:00", {"ALU0001", "Pico", "Juan", ...}), {})}			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
ValoresCorrectos	("ALU0001", "CUR0001")	Alumno removido	PASS
IdAlumnoNull	(null, "CUR0001")	IdInvalidoException	NullPointerException
IdAlumnoVacio	("", "CUR0001")	IdInvalidoException	PASS
IdAlumnoInexistente	("ALU2222", "CUR0001")	IdInvalidoException	PASS
IdCursadaNull	("ALU0001", null)	IdInvalidoException	NullPointerException
IdCursadaVacio	("ALU0001", "")	IdInvalidoException	PASS
IdCursadaInexistente	("ALU0001", "CUR2222")	IdInvalidoException	PASS
AlumnoNoAgregado	("ALU0002", "CUR0001")	IdInvalidoException	PASS

AddProfesorCursada			
Profesores = { ("PRO0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", {"ASI0001", "mateA", ...}) } Asignaturas = { ("ASI0001", "mateA", {}), ("ASI0002", "mateB", {})} Cursadas = { ("CUR0000", ("ASI0001", "mateA", ...), "01-2017", "MIERCOLES", "18:00", "20:00", {}, {}), ("CUR0001", ("ASI0001", "mateA", ...), "01-2017", "LUNES", "10:00", "12:00", {}, {"PRO0001", "Pico", "Juan", ...}), ("CUR0002", ("ASI0001", "mateA", ...), "01-2017", "LUNES", "10:00", "12:00", {}, {}), ("CUR0003", ("ASI0002", "mateB", ...), "02-2017", "VIERNES", "15:00", "17:00", {}, {})}			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
ValoresCorrectos	("PRO0001", "CUR0000")	Profesor agregado	PASS
IdProfesorNull	(null, "CUR0000")	IdInvalidoException	NullPointerException
IdProfesorVacio	("", "CUR0000")	IdInvalidoException	PASS
IdProfesorInexistente	("PRO2222", "CUR0000")	IdInvalidoException	PASS
IdCursadaNull	("PRO0001", null)	IdInvalidoException	NullPointerException
IdCursadaVacio	("PRO0001", "")	IdInvalidoException	PASS
IdCursadaInexistente	("PRO0001", "CUR2222")	IdInvalidoException	PASS
ProfesorNoCompetente	("PRO0001", "CUR0003")	EntidadInvalidaException	PASS
DisponibilidadHoraria	("PRO0001", "CUR0002")	HorarioNoViableException	PASS

RemoveProfesorCursada			
Profesores = { ("PRO0001", "Pico", "Juan", "Falucho", 3433, "2235357381", "jjjj@jjjj.com", {}), ("PRO0002", "Ponce", "Emanuel", "Colon", 1234, "2236543210", "eeee@eeee.com", {})} Asignaturas = { ("ASI0001", "mateA", {})} Cursadas = { ("CUR0001", ("ASI0001", "mateA", ...), "01-2017", "LUNES", "10:00", "12:00", {}, {"PRO0001", "Pico", "Juan", ...}) }			
Test	Entradas	Salidas	
		Esperadas	Obtenidas
ValoresCorrectos	("PRO0001", "CUR0001")	Profesor removido	PASS
IdProfesorNull	(null, "CUR0001")	IdInvalidoException	NullPointerException
IdProfesorVacio	("", "CUR0001")	IdInvalidoException	PASS
IdProfesorInexistente	("PRO2222", "CUR0001")	IdInvalidoException	PASS
IdCursadaNull	("PRO0001", null)	IdInvalidoException	NullPointerException
IdCursadaVacio	("PRO0001", "")	IdInvalidoException	PASS
IdCursadaInexistente	("PRO0001", "CUR2222")	IdInvalidoException	PASS
ProfesorNoAgregado	("PRO0002", "CUR0001")	IdInvalidoException	PASS