

tenez

TENEZ

- Hallenreservierungssystem
 - Verwaltung von mehreren Vereinen
 - Mehrere Standorte mit Plätzen
 - Kundenverwaltung
 - Reports
 - Mobile Version
- Open Source

Reservierungen

The screenshot shows a web application for tennis court reservations. The browser window title is "Tennishalle - Tenez". The address bar shows the URL: <http://wimbledon.tenez.at/admin/clubs/allenglandtc/locations/tennishalle/>. The user is logged in as "tenezroot" (Thomas Muster) and can click "Übersicht" or "Abmelden". The main navigation bar includes "Reservierung", "Auswertung", "Verein", and "System".

The main content area is titled "Tennishalle" and shows a calendar for "Freitag 22.01.2010" with a "Heute" button. Below the calendar are two reservation tables for "Platz 1" and "Platz 2".

Platz 1			Platz 2		
07:00 - 08:00	Reservieren	15,00 €	07:00 - 08:00	Reservieren	15,00 €
08:00 - 09:00	Reservieren	15,00 €	08:00 - 09:00	Reservieren	15,00 €
09:00 - 10:00	Reservieren	15,00 €	09:00 - 10:00	Andre Agassi	15,00 € 2,25 €
10:00 - 11:00	Reservieren	15,00 €	10:00 - 11:00	Reservieren	15,00 €
11:00 - 12:00	Reservieren	15,00 €	11:00 - 12:00	Reservieren	15,00 €
12:00 - 13:00	Rafael Nadal	17,00 €	12:00 - 13:00	Reservieren	17,00 €
13:00 - 14:00	Reservieren	17,00 €	13:00 - 14:00	Reservieren	17,00 €
14:00 - 15:00	Hannes Lessiak	17,00 €	14:00 - 15:00	Reservieren	17,00 €
15:00 - 16:00	Julian Naderer	17,00 €	15:00 - 16:00	Reservieren	17,00 €
16:00 - 17:00	Reservieren	19,00 €	16:00 - 17:00	Rafael Nadal	19,00 €
17:00 - 18:00	Lleyton Hewitt	49,00 € 14,25 €	17:00 - 18:00	Rafael Nadal	19,00 €
18:00 - 19:00	Lleyton Hewitt	49,00 € 14,25 €	18:00 - 19:00	Rafael Nadal	19,00 €

Reservierung

The screenshot shows a web browser window with the title "Reservierung - Platz 1 - Tennis". The address bar displays the URL: <http://wimbledon.tenez.at/admin/clubs/allenglandtc/locations/tennishalle/courts/platz1/timeslots/2/reserve?start=>. The browser window has standard macOS window controls (red, yellow, green buttons) in the top left corner.

Below the browser window, the reservation form is displayed. It has a dark blue header bar with the following navigation links: "Reservierung", "Auswertung", "Verein", and "System". On the left side of the header, there is a user profile section for "tenezroot" (Thomas Muster) with links for "Übersicht" and "Abmelden".

The main content area is titled "Reservierung - Platz 1". It contains the following fields and values:

- Datum: Montag, 25.01.2010
- Zeit: 12:00 - 13:00 Uhr
- Kunde*: A dropdown menu with "bor" entered. The dropdown list shows "Björn Borg (borg)" selected and "Boris Becker (bumbumbecker)" as an option.
- Normalpreis pro Einheit:
- Anzahl Wochen*: 1
- Rabatt: 0,00 %
- Summe: 17,00 EUR

At the bottom of the form, there is a green button with a checkmark icon and the text "Speichern".

At the very bottom of the page, there is a footer line that reads "© 2010 Tenez.at".

Reservierung

The screenshot shows a web browser window with the title "Reservierung - Platz 1 - Tennis". The address bar displays the URL: <http://wimbledon.tenez.at/admin/clubs/allenglandtc/locations/tennishalle/courts/platz1/timeslots/2/reserve?start=>. The browser window has standard macOS window controls (red, yellow, green buttons) in the top left corner.

The web application interface includes a user profile section on the left with the text "tenezroot" and "Thomas Muster", and links for "Übersicht" and "Abmelden". A dark blue navigation bar contains four tabs: "Reservierung", "Auswertung", "Verein", and "System".

The main content area is titled "Reservierung - Platz 1". It contains a form with the following fields and values:

- Datum: Montag, 25.01.2010
- Zeit: 12:00 - 13:00 Uhr
- Kunde*: Björn Borg (borg) Aktuelles Guthaben: 384,00 EUR
- Normalpreis pro Einheit: 17,00 EUR
- Anzahl Wochen*:
- Rabatt: % Standard-Rabatt des Kunden: 0,00%
- Summe: EUR Preis pro Einheit: 15,30 EUR

Below the form is a green button with a checkmark icon and the text "Speichern".

At the bottom of the page, there is a footer line with the text "© 2010 Tenez.at".

Kundenverwaltung

tenezroot

Thomas Muster

Übersicht

Abmelden

Reservierung

Auswertung

Verein

System

←

→

↺

☆

http://wimbledon.tenez.at/admin/clubs/allenglandtc/users/borg/accounting

▶

Gutschriften:

495,00 EUR

Belastungen:

-111,00 EUR

Kontostand:

384,00 EUR

Buchung durchführen

Beginn: 25.01.2010

Ende: 25.01.2010

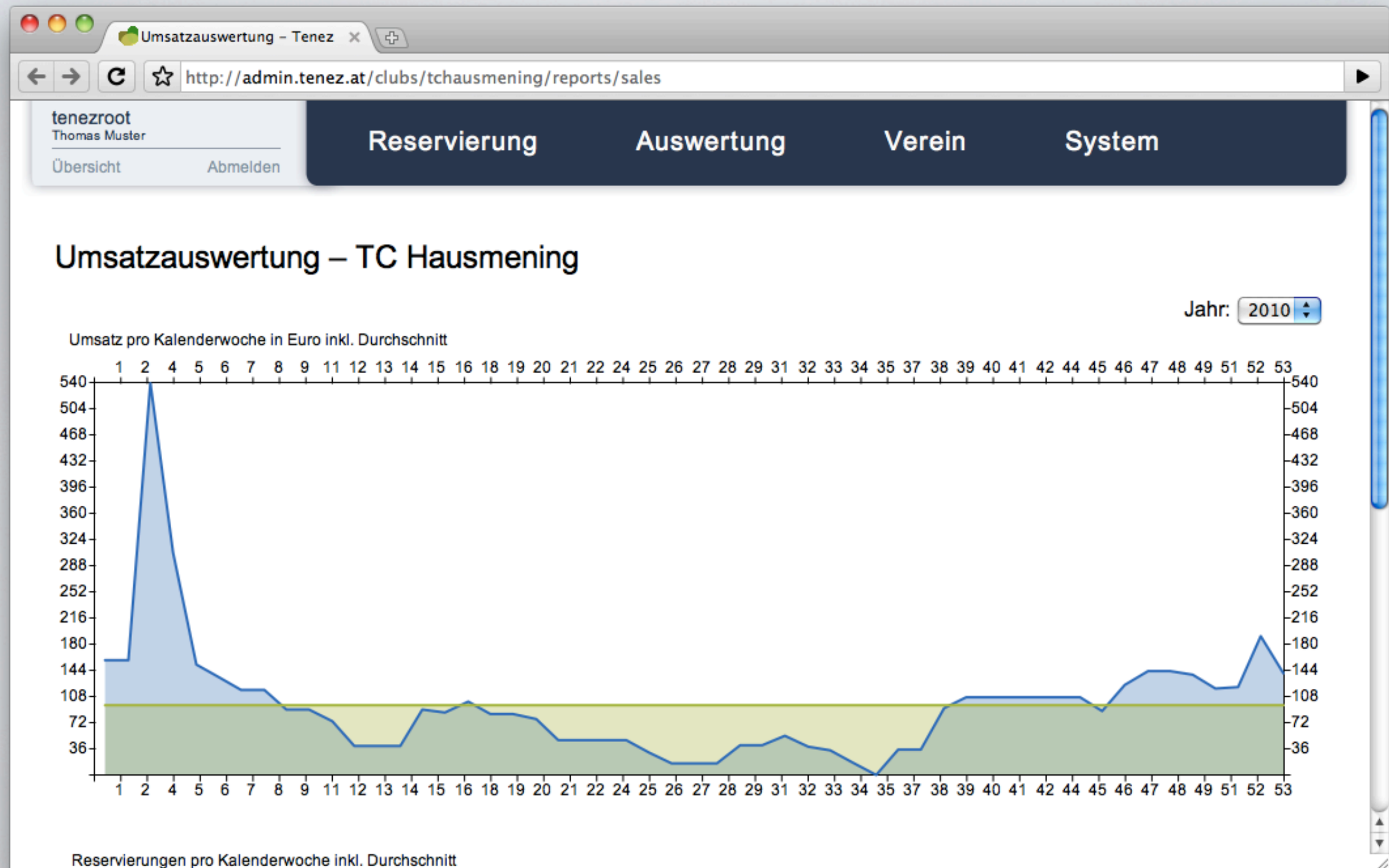
Zeitraum anzeigen

Datum & Buchungsnr.	Nettopreis	Rabatt	Bruttopreis	Buchungstext
25.01.2010 – Nr. 254	52,00 EUR	20.00 %	65,00 EUR	Einzahlung Sparkasse
25.01.2010 – Nr. 253	-17,00 EUR	0.00 %	-17,00 EUR	Reservierung für Platz 1 (Tennishalle), 21....
25.01.2010 – Nr. 252	-15,00 EUR	0.00 %	-15,00 EUR	Reservierung für Platz 2 (Tennishalle), 21....
25.01.2010 – Nr. 251	-5,00 EUR	0.00 %	-5,00 EUR	Reservierung für Court 2 (Squashboxen), 25....
25.01.2010 – Nr. 250	-5,00 EUR	0.00 %	-5,00 EUR	Reservierung für Court 2 (Squashboxen), 25....
25.01.2010 – Nr. 249	110,00 EUR	0.00 %	110,00 EUR	Einzahlung PayPal
25.01.2010 – Nr. 248	-50,00 EUR	0.00 %	-50,00 EUR	Auszahlung Guthaben
25.01.2010 – Nr. 212	-19,00 EUR	0.00 %	-19,00 EUR	Reservierung für Platz 1 (Tennishalle), 22....
25.01.2010 – Nr. 5	320,00 EUR	0.00 %	320,00 EUR	Selenium-Buchung

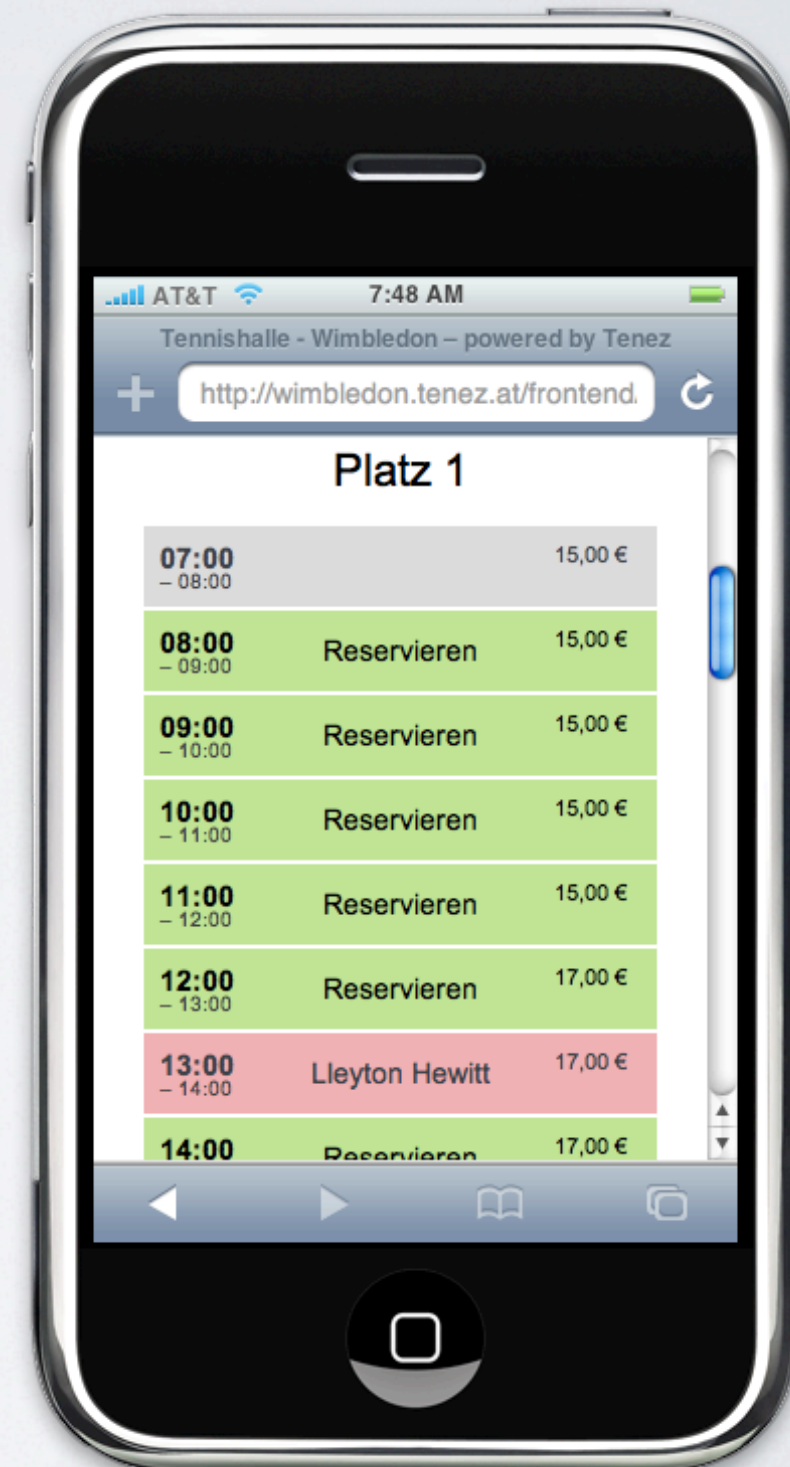
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Reports



Mobile Version



Architektur

Technologien

- Helma 1.7
 - MVC Web Application Framework
 - Server-side JavaScript Environment (SSJS)
 - Zugriff auf alle Java Libraries
 - Automatisches Caching
 - <http://dev.helma.org/>
- PostgreSQL 8.4

Leistungstest

- Testumgebung
 - MacBook 2.4 GHz, 2 GB Speicher
- Durchgeführt mit JMeter
 - 50 Reservierungen pro Sekunde/Instanz
 - 1.500 Seitenaufrufe pro Sekunde/Instanz
 - Speicherverbrauch: 650 MB total

Teststrategie

- Automatisierte Unit Tests
 - Jala Unit Test Framework
- Automatisierte Black-Box-Test
 - Selenium

Jala Unit Test Runner		Tests: /Users/Philipp/heim-1.7.0/apps/tenez/tests	
Available Tests ✓ testContactMgr.js ✓ testDatabaseMappings.js ✓ testFormHandler.js ✓ testLogger.js ✓ testMacros.js ✓ testNewsletter.js ✓ testUser.js ✓ testUtil.js <input type="checkbox"/> select all Execute		Tests 8 run 0 failed	Functions 60 passed 0 failed
Results of 'testContactMgr.js':		test_contactmgr_testQueryForCity() (n 5 ms)	
Results of 'testDatabaseMappings.js':		test_dbmapping_shouldAddAndRemoveClubWithAllFunctionality() (n 44 ms) test_dbmapping_shouldAddAndRemoveCurrencies() (n 2 ms) test_dbmapping_shouldAddAndRemoveCitiesAndUsersAndContact() (n 11 ms) test_dbmapping_shouldCheckPermissionManagement() (n 16 ms)	
Results of 'testFormHandler.js':		test_formhandler_shouldValidateTime() (n 1 ms) test_formhandler_shouldValidateDate() (n 2 ms) test_formhandler_shouldValidateMoney() (n 1 ms) test_formhandler_shouldValidatePercent() (n 1 ms) test_formhandler_shouldValidateUsername() (n 1 ms) test_formhandler_shouldValidateInteger() (n 1 ms) test_formhandler_shouldValidatePhonenumber() (n 1 ms) test_formhandler_shouldValidateAlias() (n 1 ms) test_formhandler_shouldValidatePIN() (n 0 ms) test_formhandler_shouldValidateURLs() (n 5 ms) test_formhandler_shouldValidateEmailAddresses() (n 3 ms) test_formhandler_shouldCreateAndRemoveForm() (n 1 ms) test_formhandler_shouldEvaluateFields() (n 1 ms)	
Results of 'testLogger.js':		test_logger_shouldReturnObject() (n 33 ms)	
Results of 'testMacros.js':		test_global_isNullFilter() (n 0 ms) test_global_minusOneDayFilter() (n 0 ms) test_global_plusOneDayFilter() (n 0 ms) test_global_formatDaymaskForDayFilter() (n 0 ms) test_global_formatWeekdayFilter() (n 13 ms) test_global_formatTimeFilter() (n 1 ms) test_global_formatDateFilter() (n 0 ms) test_global_formatMoneyFilter() (n 1 ms) test_global_multNegOneFilter() (n 0 ms) test_global_toPercentFilter() (n 1 ms) test_global_equalsFilter() (n 0 ms) test_global_booleanMacro() (n 0 ms) test_global_isBiggerMacro() (n 0 ms) test_global_formatDecimalFilter() (n 0 ms) test_global_queryParamMacro() (n 0 ms) test_global_switchFilter() (n 0 ms) test_global_queryParamsMacro() (n 0 ms) test_global_currencySymbolMacro() (n 0 ms) test_global_currencyCodeMacro() (n 1 ms) test_global_currentClubMacro() (n 0 ms) test_global_isrefFilter() (n 0 ms) test_global_linkFilter() (n 0 ms) test_global_checkPermissionMacro() (n 0 ms) test_global_signoutMacro() (n 0 ms) test_global_staticUrlMacro() (n 1 ms)	
Results of 'testNewsletter.js':		test_newsletter_receiverUser() (n 1 ms) test_newsletter_sendToUser() (n 0 ms)	
Results of 'testUser.js':		test_user_shouldHaveDiscount() (n 2 ms) test_user_shouldHavePermission() (n 0 ms)	
Results of 'testUtil.js':		test_util_shouldSanitizeString() (n 2 ms) test_money_shouldNotReturnEmptyFormat() (n 0 ms) test_date_shouldCheckOverlappingTimespans() (n 1 ms) test_date_shouldReturnDateFromString() (n 2 ms) test_date_shouldReturnDaymask() (n 1 ms) test_date_shouldReturnWeekdayString() (n 1 ms) test_date_shouldReturnDBString() (n 0 ms) test_date_shouldReturnDateString() (n 0 ms) test_date_shouldReturnDateObjectWithTime() (n 1 ms) test_date_shouldAddDaysToDate() (n 0 ms) test_pinGenerator_shouldGenerateAlphaNumPin() (n 9 ms) test_pinGenerator_shouldGenerateSDigitPin() (n 1 ms)	

Selenium

The screenshot displays the Selenium IDE interface with a test case named "addUsergr..." loaded. The interface includes a "Test Case" sidebar, a central command table, and a "Log" at the bottom.

Test Case: addUsergr...

Base URL: http://localhost:8080/

Commands:

Command	Target	Value
open	/admin/clubs/tchausmening/users/andy/edit	
click	usergroup_1	
click	usergroup_2	
click	usergroup_3	
click	usergroup_4	
clickAndWait	//button[@value='Submit']	
open	/admin/signout	

Log:

Log	Reference	UI-Element	Rollup
[info]	Executing:	open /admin/clubs/tchausmening/users/junaderer/edit	
[info]	Executing:	click usergroup_2	
[info]	Executing:	click usergroup_4	
[info]	Executing:	clickAndWait //button[@value='Submit']	
[info]	Executing:	open /admin/clubs/tchausmening/users/hgleich/edit	
[info]	Executing:	click usergroup_4	
[info]	Executing:	clickAndWait //button[@value='Submit']	
[info]	Executing:	open /admin/clubs/tchausmening/users/aschloegl/edit	
[info]	Executing:	click usergroup_4	
[info]	Executing:	clickAndWait //button[@value='Submit']	
[info]	Executing:	open /admin/clubs/tchausmening/users/andy/edit	
[info]	Executing:	click usergroup_1	
[info]	Executing:	click usergroup_2	
[info]	Executing:	click usergroup_3	
[info]	Executing:	click usergroup_4	
[info]	Executing:	clickAndWait //button[@value='Submit']	
[info]	Executing:	open /admin/signout	

Status Quo

- Gutes technisches Fundament
 - Definierte Funktionalitäten sind vorhanden
 - Möglichkeiten für Erweiterungen gegeben
- Produktiver Betrieb ab Juni
- Ausblick
 - Guthabenverkauf über Frontend
 - Kombination mit einer Lichtregelung in der Halle

Probleme

- Neue Technologie für 4 von 5 Projektmitglieder
 - Mangelhafte Dokumentation des Frameworks
- Vor allem zu Beginn starke Beanspruchung der geschulten Person