

## RailStation Application

### Customer

RailStation was launched in the late 1990's and is currently used by the US Squash Association for administrative, membership, tournament, league, ladder, results and rankings, and has been instrumental in reducing workloads for all employees and has generated excitement and growth for the Squash community in the United States.

This application is an example of the latest Microsoft technology used to provide robust, web-based data-entry and reporting functionality.

The name of the software uses the term "rail" which is a Squash term for the shot that travels straight along the left or right side walls of the court from the front wall to the back wall.

### Aim

The main task is the Internet support and maintenance of current and already held games within the frame of squash leagues and championships in the USA.

### Basic Functions

- Web-based, password-protected data entry and maintenance.
- Secure support of various user groups, including players, league administrators, and team captains
- Support of various sports associations.
- Real-time player ratings on the basis of official rating algorithms.
- Specific sport events support, various game types processing: singles, doubles, play-off, etc.
- Banner support.
- Game results saving, etc.

### Membership Module

- Reports including USSRA membership and Current Members.
- Group E-Mailing including Captains, Current members, League Participants, Expiring Members, Club Contacts, etc.
- Payment record in the "audit trail".
- Non-members highlighting.
- Capability to export data to Excel.

### League Module

- Scheduling, Roster Building Match Results Recording.
- Reports including Team Standings, Individual Rankings, Match Results, League Schedules, Prior Season Results, Captains' Reports, and League Rules.
- Notes, Dynamic Web Blog editor and Rules Posting.

### Tournaments Module

- Doubles, Singles and Teams.
- Manual and automatic interfaces for tournament ladder creation.
- Match time and venue.
- Auto scheduling features.
- Automatic Court Schedule reports generated instantly.
- Real-time recording of match results.
- Reports including Start Times and Tournament Results.

- Real-time tournament or event schedule with URL links, PDF or Word document entry form access and direct link to event on web for results and latest event info.

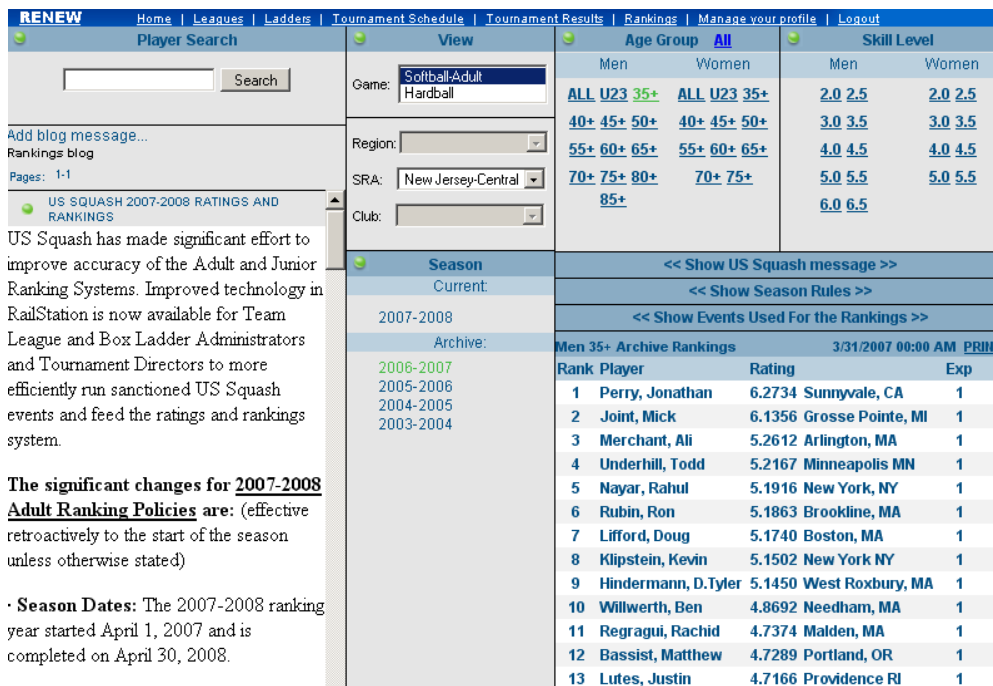
### Ladders Module

- Graphical display of pyramid and group structure.
- Graphical ladder building interface.
- Individual Player Reports.
- Match results recording.
- Notes, Dynamic Web Blog editor and Rules Posting.

### Financial Control Module

- Journal Entry.
- Credit card charge and credit processing.
- Cash settlement.
- Application of payments to open transactions.
- Credit card transaction control.
- Bank reconciliation.
- Membership activity.
- Administrative privilege controls.
- Financial events analyses.

### Screenshots



The screenshot shows the RENEW software interface. At the top, there is a navigation bar with links: Home | Leagues | Ladders | Tournament Schedule | Tournament Results | Rankings | Manage your profile | Logout. Below this is a 'Player Search' section with a search box and a 'Search' button. To the right, there is a 'View' section with dropdown menus for 'Game' (Softball-Adult, Hardball), 'Region', 'SRA' (New Jersey-Central), and 'Club'. Below the search and view sections, there is a 'Season' section with 'Current' (2007-2008) and 'Archive' (2006-2007, 2005-2006, 2004-2005, 2003-2004) options. The main content area displays a table of 'US SQUASH 2007-2008 RATINGS AND RANKINGS'. The table has columns for 'Age Group', 'Skill Level', and 'Rank Player'. The 'Age Group' column is split into 'Men' and 'Women' sub-columns. The 'Skill Level' column is split into 'Men' and 'Women' sub-columns. The 'Rank Player' column lists the player's name, rating, and location. The table shows 13 players ranked from 1 to 13. Below the table, there are links for '<< Show US Squash message >>', '<< Show Season Rules >>', and '<< Show Events Used For the Rankings >>'. There is also a 'PRINT' link.

Age Group		Skill Level	
Men	Women	Men	Women
ALL U23 35+	ALL U23 35+	2.0 2.5	2.0 2.5
40+ 45+ 50+	40+ 45+ 50+	3.0 3.5	3.0 3.5
55+ 60+ 65+	55+ 60+ 65+	4.0 4.5	4.0 4.5
70+ 75+ 80+	70+ 75+	5.0 5.5	5.0 5.5
85+		6.0 6.5	

**US SQUASH 2007-2008 RATINGS AND RANKINGS**

US Squash has made significant effort to improve accuracy of the Adult and Junior Ranking Systems. Improved technology in RailStation is now available for Team League and Box Ladder Administrators and Tournament Directors to more efficiently run sanctioned US Squash events and feed the ratings and rankings system.

**The significant changes for 2007-2008 Adult Ranking Policies are:** (effective retroactively to the start of the season unless otherwise stated)

- **Season Dates:** The 2007-2008 ranking year started April 1, 2007 and is completed on April 30, 2008.

Rank	Player	Rating	Exp
1	Perry, Jonathan	6.2734 Sunnyvale, CA	1
2	Joint, Mick	6.1356 Grosse Pointe, MI	1
3	Merchant, Ali	5.2612 Arlington, MA	1
4	Underhill, Todd	5.2167 Minneapolis MN	1
5	Nayar, Rahul	5.1916 New York, NY	1
6	Rubin, Ron	5.1863 Brookline, MA	1
7	Lifford, Doug	5.1740 Boston, MA	1
8	Klipstein, Kevin	5.1502 New York NY	1
9	Hindermann, D. Tyler	5.1450 West Roxbury, MA	1
10	Willwerth, Ben	4.8692 Needham, MA	1
11	Regragui, Rachid	4.7374 Malden, MA	1
12	Bassist, Matthew	4.7289 Portland, OR	1
13	Lutes, Justin	4.7166 Providence RI	1



SELECT YOUR PREFERRED MEMBERSHIP LEVEL

Name	Rate	Description
<input checked="" type="radio"/> Basic Membership		<ul style="list-style-type: none"> <li>• COST VARIES FROM \$45 TO \$80 BY DISTRICT</li> <li>• Real-time rating and ranking</li> <li>• \$15 discount at each USSRA sanctioned tournament</li> <li>• Monthly e-newsletters with the latest national squash announcements</li> <li>• Subscription to Squash Magazine (\$19.95 value)</li> <li>• Access to Coaching and Referee Certification programs</li> <li>• Participant/Accident insurance coverage</li> <li>• Discounts on U.S. Open tickets</li> <li>• Discounts with Hilton Hotels</li> </ul>

Select your local association to join

<input type="checkbox"/> California-Northern	<input type="checkbox"/> New Jersey-Central	<input type="checkbox"/> Pennsylvania-Lancaster
<input type="checkbox"/> California-Southern	<input checked="" type="checkbox"/> New Jersey-Northern	<input type="checkbox"/> Pennsylvania-Philadelphia
<input type="checkbox"/> Colorado	<input type="checkbox"/> New Mexico	<input type="checkbox"/> Pennsylvania-Pittsburgh
<input type="checkbox"/> Florida	<input type="checkbox"/> New York City	<input type="checkbox"/> Rhode Island
<input type="checkbox"/> Illinois	<input type="checkbox"/> New York-Albany	<input type="checkbox"/> Seattle
<input type="checkbox"/> Indianapolis	<input type="checkbox"/> New York-Buffalo	<input type="checkbox"/> Southeastern
<input type="checkbox"/> Kentucky	<input type="checkbox"/> New York-Rochester	<input type="checkbox"/> St. Louis
<input type="checkbox"/> Maryland	<input type="checkbox"/> Ohio-Cincinnati	<input type="checkbox"/> Texas-Dallas
<input type="checkbox"/> Massachusetts	<input type="checkbox"/> Ohio-Columbus	<input type="checkbox"/> Texas-Houston
<input type="checkbox"/> Michigan	<input type="checkbox"/> Ohio-Dayton	<input type="checkbox"/> Virginia
<input type="checkbox"/> Mid-Continent	<input type="checkbox"/> Ohio-Northeast	<input type="checkbox"/> Wichita
<input type="checkbox"/> Minnesota	<input type="checkbox"/> Ohio-Northwest	<input type="checkbox"/> United States - Direct
<input type="checkbox"/> National Capital (DC)	<input type="checkbox"/> Oregon	

MONTH: **January** YEAR: **2007** SRA: **New Jersey-Northern** LEVEL: **All** GO-> **01/07/2007 - 01/07/2007-New Jersey High School Championships**

**SELECT DRAW**

- BU19
  - BU19 - Main
  - BU19 - Consolation
- GU19
  - GU19 - Main
  - GU19 - Consolation

**REPORTS**

- Draw Attributes
- Draw Matches Count
- Final Cut
- Match Status
- Player Info
- Schedule By Court

**MANAGE TOURNAMENT**

- MANAGE DRAWS
- ASSIGN PLAYERS
- AUTO SCHEDULER
- ADMIN VIEW

**New Jersey High School Championships -- BU19 - Consolation**

**US Squash** **POWERED BY RAIL STATION™**

ROUND OF 16	QUARTERS	SEMIS	FINALS
1 William Neff Princeton NJ	William Neff		<b>WINNER:</b> Daniel Gentile
2 Bye			
3 Dong Hyun Kim Blairstown NJ	Jan 7 2007 2:00PM 3 Michael Malyn 1,0,3	Michael Malyn 0,1,3	
4 Michael Malyn Lawrenceville NJ			
5 Brent McDonough Madison NJ	Jan 7 2007 4:00PM 3 Brent McDonough	Brent McDonough (7),3,6,5	
6 Bye			
7 David Ahlborn Ridgewood NJ	Jan 7 2007 2:00PM 4 Jae Hyuk Jang 4,4,6	Brent McDonough 0,3,1	
8 Jae Hyuk Jang Blairstown NJ			Jan 7 2007 6:00PM 2

## **Technologies**

VisualStudio 2005/2008, C#, ASP.NET, XML, MS Ajax, JavaScript, YUI, CSS

## **Product Title**

RailStation

## **Project Capacity**

More than 50 man-months