Electronic Scoring System
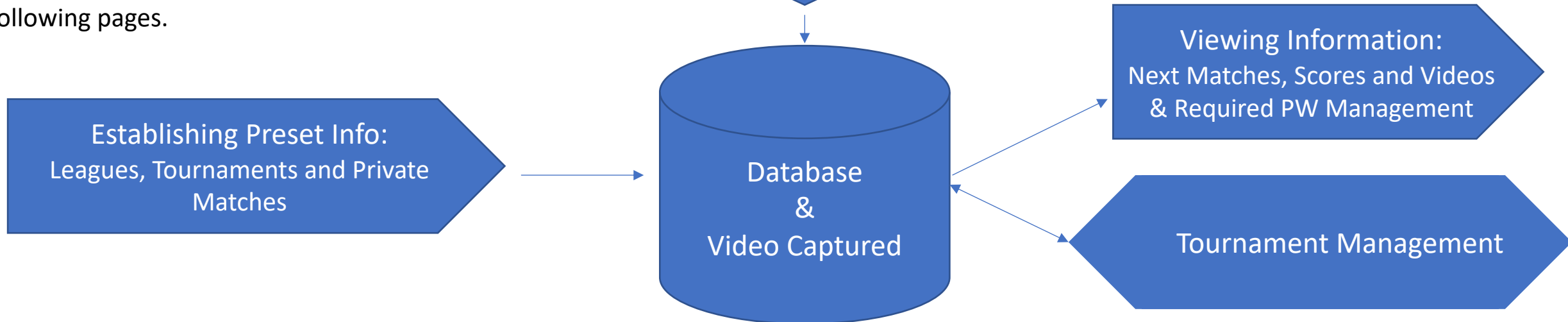
Leveraging Technology for the
Improved Enjoyment of the Game
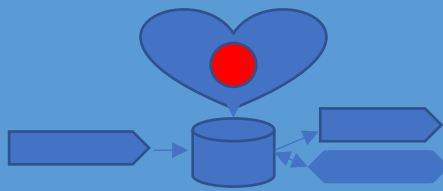
Developed By and Proudly Used since
2019 at the Bass River Tennis Club
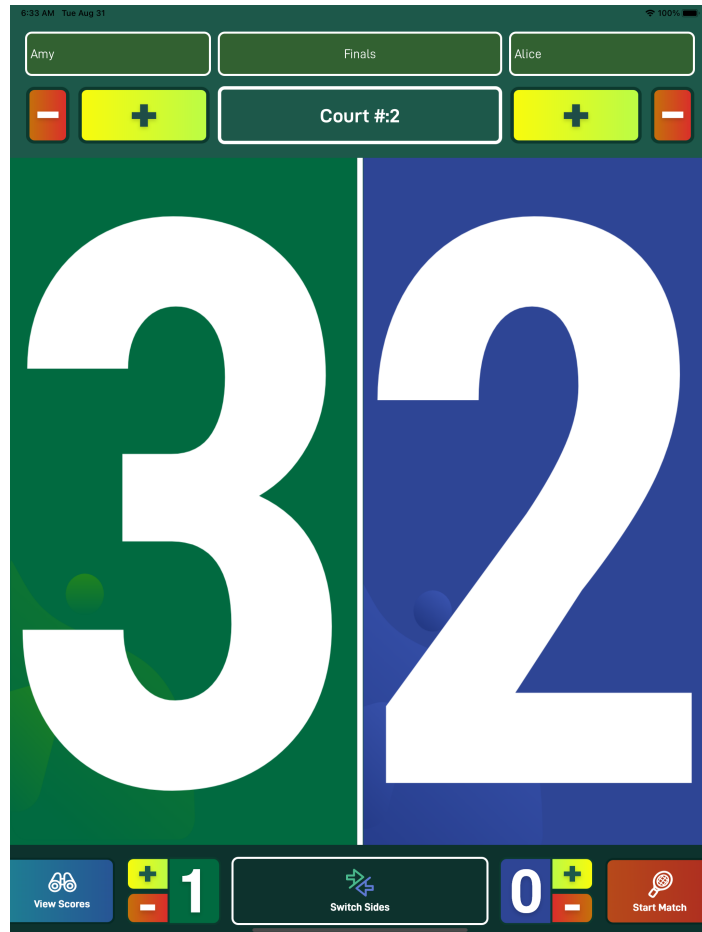Beverly MA

BASS RIVER
TENNIS CLUB

Electronic Scoring System - Patent Pending
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www.BassRiverTennis.com   Beverly, MA 01965

Electronic Scoring System Overview

The ESS is a patent pending Application that allows the iPad to replace the "flip-cards," capture the information, and disseminate it throughout the club and remotely. The heart of the system is the scoring application and additional information is provided by the applications on the left below and displayed by applications on the right. The application is customized for each club including their logo, website link, specialized passwords, advertisements, and court count. Each area is described on the following pages.

The Heart of the System-Scoring:
Capturing Player & Score Info,
Loading Preset Information, and
Viewing All Scores

Establishing Preset Info:
Leagues, Tournaments and Private Matches

Database
&
Video Captured

Viewing Information:
Next Matches, Scores and Videos
& Required PW Management

Tournament Management

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Courtside Scoring & Reverse View

Courtside Scoring represents a major improvement over today's flip-cards and other manual courtside scoring techniques. It captures the scoring information and makes it available real-time to all allowed and interested parties on the courts, in the club, and remotely.

Game scores (main scores on the screen) are updated by pressing the larger +/- buttons over the game scores, while set scores (small numbers at the bottom of the screen) are updated by pressing the small +/- at the bottom of the screen.

The "Switch Sides Arrow" at the middle of the bottom row switches the side where each player's information is displayed for easier distance viewing.

Courtside Scoring allows preset information (players' names and match information) to be set prior to going onto the court. It is loaded by pressing the "Start Match" button on the lower right of the screen. The "Start Match" button also initializes the scores including the game counts and set counts to zero.

Finally, scores on all courts, and/or selected courts, can be displayed by pressing the "Binoculars" on the left side of the bottom row.

Note, the reverse side scoring allows visibility to the score from the opposite direction. No entries are allowed on this screen. It simply reflects the other side's screen.

Tennis Scoring - Main

Tennis Scoring - Reverse

Capture the score with less effort than flipping traditional score cards!

Individual Preset Information

Season Preset Information

League Match Preset Update

Tournament Player Preset

To allow the most efficient use of the system and the courts, players and the club can establish preset information. The preset information includes the names of the players and the match description. It is allowed for league matches, contracts, private lessons by pro's, and other weekly occurring events. When information is preset, the player only has to press the START MATCH button for this information to be set onto the scoring screen. If the preset information is not available, pressing START MATCH will initialize the scores, and then the players can enter the name and match information. Preset information is acquired from the player up to 1 hour prior to match start time, or it is acquired when the league matches were established at the beginning of the year for all home matches. It also can be updated prior to match time when the Update League function is used. Finally, as discussed on later slides, when tournaments are played and the next players are assigned, this information is preset. Preset information is also used to set up the Next Up Match Display screen.

Viewing consists of both video images and scoring information per court. Video access is available on-site and through the members iPhone application. It is strictly controlled to protect privacy of the members. The rules are that any league match or tournament match can be viewed. Other matches, can only be viewed based on a password entered at viewing time, and its match to preset password created at the Club's desk. The screen on the far left is used to accept the password from the viewer and is entered at the desk to be "matched up" later. The second image shows the current score as well as a live streaming of the action on the court. The third image shows a list of selected courts and their players and the scores. If desired, scores on all courts can be displayed. Finally, the last image shows the players scheduled to play within the next half hour. On this slide are also advertisements with the left and right controlled by the club for potential revenue, and the center controlled by ESS for National type ads.

The tournament director (TD) wants to: Preset matches on new courts or on those courts that appear to be finishing shortly to maximize court usage, and easily view the progress on the courts including detailed scores and video. The system provides control over each Tournament set up, and allows for up to 10 courts to be assigned to the tournament. The TD has the ability to assign players to the court, and indicate when they are to head out and start playing. Realtime scoring provides insight to ensure the courts are better used and the tournament flows smoothly. When the court is assigned, the preset information for the match is also established, and entered when the start match button is pressed.

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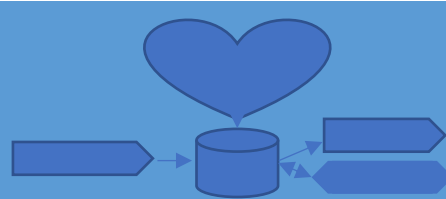
Members iPhone Application

Tennis Control

- Scores
- Video
- Preset
- Next Up
- Website
- Legal
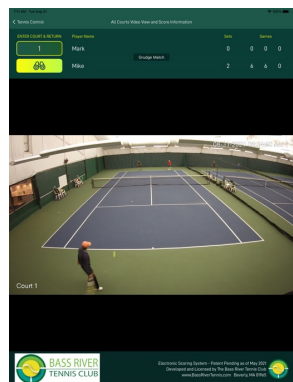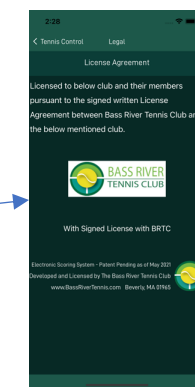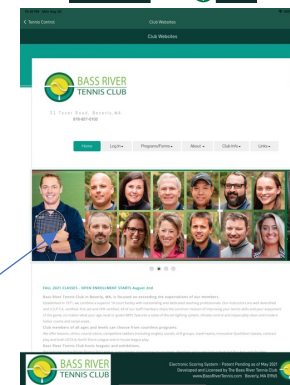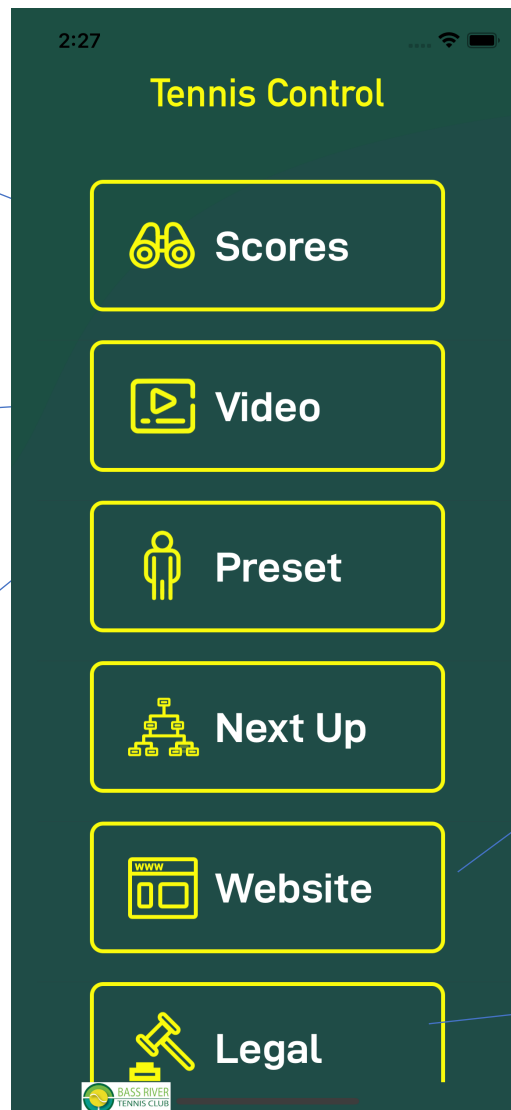
Members will be provided an iPhone or Android App which gives them direct access to several of the key functions of the system. Specifically, they will be able to view scores on all courts and videos as per the rules discussed earlier. They will be able to preset their own matches (assuming they are not Tournament or league matches) that are occurring in the next hour. They will be able to determine the matches playing in the next half hour, the club's website, and basic legal information referencing licensing and patent status.

Member's menu and key functions to stay connected.
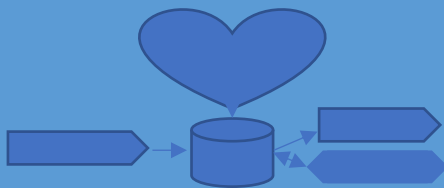
Hardware	Minimum Required	Additional Considerations
Base System w/o Video	• WIFI at all Courts • iPad at each court for scoring* • Additional iPads for Control Desk	• 2nd iPad at each court for reverse side • Additional iPads / Monitors for Display • iPad locking hardware & Attachments • Battery or electric wiring connected
Video Addition	• IP Camera System on each court	• Enhanced Video Camera capability • Ethernet hardwiring to cameras • Leveraging additional cameras for security

* Note: Since iPads are being used for a single application, refurbished older models are usable.

Annual Licensing Fee	Base System w/o Video	Video System added Later	Full System
Staff & Tournament Software	$300 per court	$175 per court	$450 per court
Member Software on iPhones	No Charge	No Charge	No Charge

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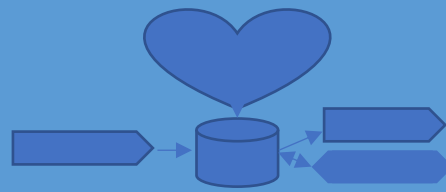
Opportunities to Offset Costs

Possible Potential Offsets Among Others

- Local Ad revenue for advertisements on video screen. Would run in dedicated area of the screen. Note, each club will have option not to run ads.

- Match video Sales – Sale of Video tape of match within week of playing

- Insurance / loss reductions due to using camera system for loss prevention and potential insurance cost reductions

- Additional tournament revenue due to site friendliness

- Perceived value of club increases as club demonstrates commitment to the sport and future, and provides Members' App

There are many real benefits to offset the costs.

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Thank you for your support. If interested, we can have you live within days of your installing the iPads and cameras.

For further information please contact either Mark Greenberg or Mike LaPierre at the Bass River Tennis Club 978-927-0102

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