

Defense Cyber Crime Center

A National Cyber Center

DC3 Digital Crime Scene App Tutorial



**DC3
Futures Exploration (FX)
2 July 2013
Version 1**



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Home Page

[HOME](#)[Crime Scene](#)[In the Queue](#)

Team Information

Create Team

Teams

Participation Information

In the Queue

Score Information

Overall Scoreboard

Scenario Scoreboards

Review Team Score Card

Running with JQuery Mobile

Click to
Create Team

- The home page is the backbone to the app. All actions can be navigated to from this location.
- To create a new team, click on the 'Create Team' button at the top of the screen.

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Create Team

■ Steps to create a team:

- Step 1: Ask the team for a name and type it in the field.
- Step 2: Click the scenario the team chooses. Make sure the scenario is in blue after you do this.
- Step 3: Add the players (see slide 4)

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Adding Players With Badges

HOME

Add Player

Add Player to Team: *Team One (#3)*

⊖ Badge Entry

Scan Badge:

+ Manual Entry

➔ Add another Player

⚙ Save Player

➔ Back to Team

Running with JQuery Mobile

- To add players to the team you just created, there are two options. You can either scan their badge barcode, or you can enter the information manually. To add players by scanning badges, follow these steps:
 - Step 1: pick up the scanner attached to the laptop and point it to the barcode on the badge
 - Step 2: pull the yellow button underneath the scanner to read the barcode
 - Step 3: verify the player has been entered correctly and saved.
 - Step 4: choose to add another player or go back to the team.
 - **Badges will not scan again if the person has already participated. If the person has never participated before and there are problems with scanning the badge, see slide 5.*

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Adding Players Manually

HOME Add Player

Add Player to Team: *Team One* (#3)

☒ Badge Entry

☐ Manual Entry

First Name:

Last Name:

Active: Yes

Running with jQuery Mobile

Step 1

Step 2

Step 3

- Sometimes a member's badge may not scan correctly or there may be an issue with the scanner. In either case, you have the option to manually enter the players using the following steps:
 - Step 1: Type the person's first and last names into the proper fields
 - Step 2: verify the person is active and save the player information
 - Step 3: Choose to add another player or go back to the team page
- When you are done with this step, the teams are saved into the queue.

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Teams

[HOME](#)[Crime Scene](#)[In the Queue](#)

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Running with JQuery Mobile

Click to View/Edit
Team Info

- From this location, you can create, edit, and view team information.

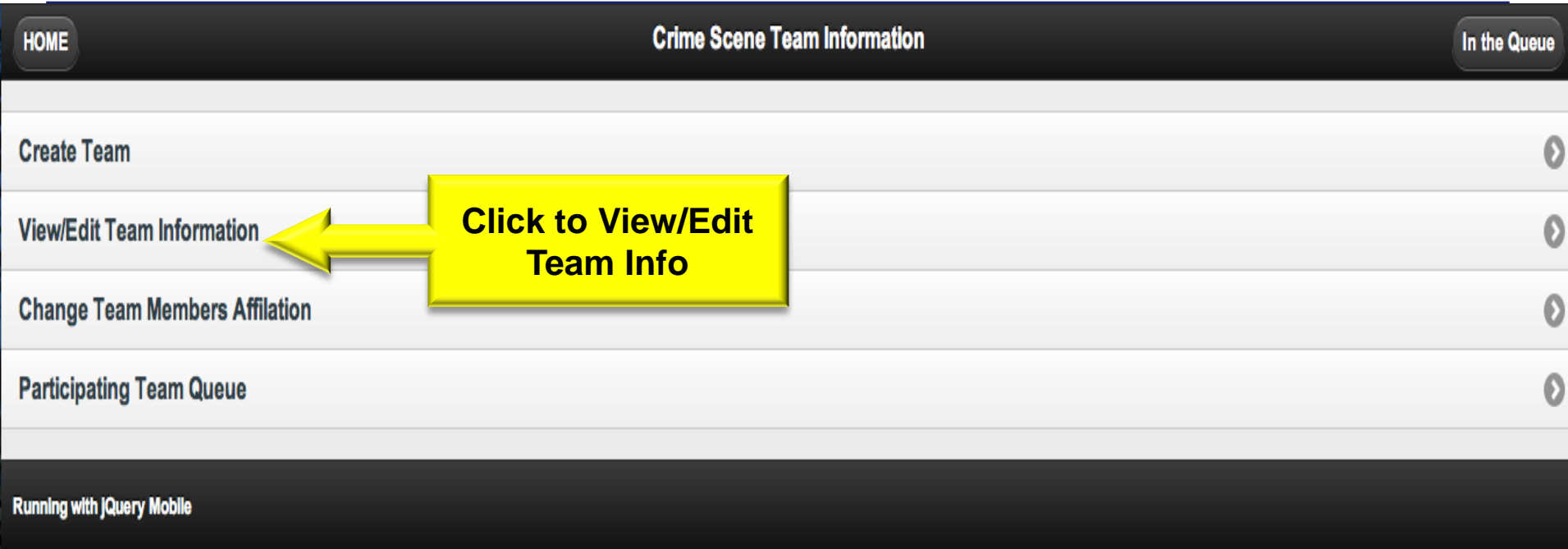
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Team Information



- The 'Create Team' button takes you to the page to create a team, as previously mentioned.
- The 'View/Edit Team Info' button allows you to make changes to the team information – such as scenario, team name, disqualified, etc.
- The 'Change Team Member Affiliation' button allows you to take a player off a team, or change the team of the player.
- The 'Participating Team Queue' button shows you a list of teams ready to enter the Crime Scene.

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Choose a Team to View/Edit

HOME

List of Teams

In the Queue

Create a new team

Create Team >

Select the team to view full information

Q Search team...

Test Team 1



Test Team 2



Test Team 3



Jessup



Test Team 3



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- If you select to View/Edit Team Information from the previous page, you must select a team. This page lists out the current teams.

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Add/Edit Team Info

[HOME](#)[Add/Edit Team Information](#)[In the Queue](#)

Team Name:

Scenario:

Disqualified:

Score:

Time:

morris, jenny

jones, george

Add a Player

Edit

Back to Team List

- Once a team is selected, you can edit the information on this page. Hit the 'Edit' button to be able to change the team name, the scenario, disqualified status, or members.

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Player Information

[HOME](#)[Crime Scene Team Information](#)[In the Queue](#)

Create Team

View/Edit Team Information

Change Team Members Affiliation

Participating Team Queue

Click to View/Edit Player Info

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- From the Team Information page, click on 'Change Team Members Affiliation' in order to edit player information.

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Player Information

HOME

List of Members

In the Queue

Select the member of team to change team affiliation

Q Search team...

Player One (Test Team 1)



Player Two (No Team)



Player Three (No Team)



Player Four (No Team)



Player Five (Test Team 3)



Player Six (Test Team 3)



jerry johnson (Jessup)



jenny morris (mike)



george jones (mike)



Click to a player to edit

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Edit/Remove Player Team Association

HOME

List of Members

In the Queue

jerry johnson

Team Association:

mike

⚙ Edit

✕ Remove

➡ Back to Team List

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Home Page

[HOME](#)[Crime Scene](#)[In the Queue](#)

Team Information

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Participation Information

In the Queue

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Overall Scoreboard

Scenario Scoreboards

Review Team Score Card

Click to see teams ready to enter the scene

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- Once a team is created and ready to enter the crime scene, they are automatically listed in the queue.
- The referee can click here, choose a team, and begin the challenge.

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In the Queue

HOME

Crime Scene Team Queue

Refresh Page

Select the next playing team

Search team...

TEST
Player, First



Team One
, | blue, jenny



Running with jQuery Mobile

- Choose the team name from the list provided. If there are many teams, you can use the search bar to find a team quickly. Once the team is selected, it will take you to the scoring screen.
 - The timer does not start until the 'Start' button is hit on the scoring screen.

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Scoring Screen

HOME Crime Scene Evidence List

TEST (Business School)

Start Game

2 Digital Devices Found

- Camcorder
Blue JVC Video Camera
- CD
Green Compact Case with regular CD
- Cell Phone
Blackberry Phone
- CF Card
Compact Flash Card
- DVD
Blue Compact Case with DVD
- Floppy
3 1/4 Black Floppy Diskette
- Game Console
Play Station Portable (Black & Silver)
- iPod
Black MP3 Player with Headphones
- Laptop Hard Drive
500GB 3.5" inch hard drive disk
- Lego USB
Lego man with hidden USB drive
- Memory Watch
Silver & Black watch with hidden USB in band
- Micro SD Card
Very small SD memory Card (usually used in phones)
- Mini CD
Smokey/Black Compact Case with mini CD
- Pico USB
Miniture USB flash drive
- Regular USB

3 Incorrectly Tried Devices

- Camcorder
Blue JVC Video Camera
- CD
Green Compact Case with regular CD
- Cell Phone
Blackberry Phone
- CF Card
Compact Flash Card
- DVD
Blue Compact Case with DVD
- Floppy
3 1/4 Black Floppy Diskette
- Game Console
Play Station Portable (Black & Silver)
- iPod
Black MP3 Player with Headphones
- Laptop Hard Drive
500GB 3.5" inch hard drive disk
- Lego USB
Lego man with hidden USB drive
- Memory Watch
Silver & Black watch with hidden USB in band
- Micro SD Card
Very small SD memory Card (usually used in phones)
- Mini CD
Smokey/Black Compact Case with mini CD
- Pico USB
Miniture USB flash drive
- Regular USB

4 Current Points: 0

5 00:00

6 Pause/Resume Timer

- When the scoring screen opens, no items can be marked until the 'Start Game' button is pushed. This allows the items to be selected and starts the timer.
- Here are some descriptions of what can be found on this page:
 - 1) The start button
 - 2) The found items buttons
 - 3) The incorrectly chosen buttons
 - 4) The current points
 - 5) The amount of time remaining
 - 6) The pause button

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Scoring Screen Continued

500GB 3.5" Inch hard drive disk	500GB 3.5" Inch hard drive disk
<input type="checkbox"/> Lego USB Lego man with hidden USB drive	<input type="checkbox"/> Lego USB Lego man with hidden USB drive
<input type="checkbox"/> Memory Watch Silver & Black watch with hidden USB in band	<input type="checkbox"/> Memory Watch Silver & Black watch with hidden USB in band
<input type="checkbox"/> Micro SD Card Very small SD memory Card (usually used in phones)	<input type="checkbox"/> Micro SD Card Very small SD memory Card (usually used in phones)
<input checked="" type="checkbox"/> Mini CD Smokey/Black Compact Case with mini CD	<input type="checkbox"/> Mini CD Smokey/Black Compact Case with mini CD
<input type="checkbox"/> Pico USB Miniture USB flash drive	<input type="checkbox"/> Pico USB Miniture USB flash drive
<input type="checkbox"/> Regular USB Regular USB Drive on Lanyard	<input type="checkbox"/> Regular USB Regular USB Drive on Lanyard
<input checked="" type="checkbox"/> SD Card Regular SD memory Card	<input type="checkbox"/> SD Card Regular SD memory Card
<input type="checkbox"/> Spy Coin Hollow Coin with Micro SD Card inside	<input type="checkbox"/> Spy Coin Hollow Coin with Micro SD Card inside
<input type="checkbox"/> Sunglasses Sunglasses with Headphones	<input type="checkbox"/> Sunglasses Sunglasses with Headphones
<input checked="" type="checkbox"/> USB Wristband Wristband with USB hidden inside	<input type="checkbox"/> USB Wristband Wristband with USB hidden inside
<input type="checkbox"/> Password Password to access evidence	
<input checked="" type="checkbox"/> USB Pen Ball Point pen with hidden USB drive in back	

Evidence Found

☐ Chose correct device on first try

☐ Evidence Found
Evidence displayed on Laptop

Improper Behavior

☐ Improper Behavior
Any improper action committed during the game

Submit Score

Disqualify Team

Current Points: 16

13:16

Pause/Resume Timer

- The 'evidence found' will not be able to be selected until items 1 and 2 in the green section have been found first.
- If the team chooses the USB pen as the device storing the evidence on their first try, select the button 'Chose correct device on first try'.
- If the team chooses another device first, mark the device in the red section.
- The improper behavior button deducts 5 points

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Scoring Screen Continued

The scoring screen is divided into two main columns. The left column, titled 'Evidence Found', lists 15 items with checkboxes. The right column, titled 'Improper Behavior', lists 10 items with checkboxes. At the bottom, there are buttons for 'Submit Score' and 'Disqualify Team'. A yellow callout box labeled 'Stop Timer' points to the 'Pause/Resume Timer' button at the bottom center.

Evidence Found	Improper Behavior
<input type="checkbox"/> Laptop Hard Drive 500GB 3.5" Inch hard drive disk	<input type="checkbox"/> Laptop Hard Drive 500GB 3.5" Inch hard drive disk
<input type="checkbox"/> Lego USB Lego man with hidden USB drive	<input type="checkbox"/> Lego USB Lego man with hidden USB drive
<input type="checkbox"/> Memory Watch Silver & Black watch with hidden USB in band	<input type="checkbox"/> Memory Watch Silver & Black watch with hidden USB in band
<input type="checkbox"/> Micro SD Card Very small SD memory Card (usually used in phones)	<input type="checkbox"/> Micro SD Card Very small SD memory Card (usually used in phones)
<input checked="" type="checkbox"/> Mini CD Smokey/Black Compact Case with mini CD	<input type="checkbox"/> Mini CD Smokey/Black Compact Case with mini CD
<input type="checkbox"/> Pico USB Minutire USB flash drive	<input type="checkbox"/> Pico USB Minutire USB flash drive
<input type="checkbox"/> Regular USB Regular USB Drive on Lanyard	<input type="checkbox"/> Regular USB Regular USB Drive on Lanyard
<input checked="" type="checkbox"/> SD Card Regular SD memory Card	<input type="checkbox"/> SD Card Regular SD memory Card
<input type="checkbox"/> Spy Coin Hollow Coin with Micro SD Card Inside	<input type="checkbox"/> Spy Coin Hollow Coin with Micro SD Card Inside
<input type="checkbox"/> Sunglasses Sunglasses with Headphones	<input type="checkbox"/> Sunglasses Sunglasses with Headphones
<input checked="" type="checkbox"/> USB Wristband Wristband with USB hidden inside	<input type="checkbox"/> USB Wristband Wristband with USB hidden inside
<input checked="" type="checkbox"/> Password Password to access evidence	
<input checked="" type="checkbox"/> USB Pen Ball Point pen with hidden USB drive in back	

Evidence Found

- ☐ Chose correct device on first try
- ☐ Evidence Found
Evidence displayed on Laptop

Improper Behavior

- ☐ Improper Behavior
Any improper action committed during the game

Submit Score **Disqualify Team**

Stop Timer

Current Points: 21 **14:20** **Pause/Resume Timer**

- Once the team has completed processing the scene, press the **Submit Score** or the **Pause/Resume Timer** button to stop the time and submit the score.

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Team Score Card

HOME

Crime Scene Team Score Card

TEST (Business Security)

Completed investigation in (04:06 minutes) for a Total Score: 16

In the Queue

Overall Scoreboard

Running with JQuery Mobile

- After the team's time and score has been submitted, the Team Score Card will appear. The teams can view their time and their total score. From this screen, the user can view the Overall Scoreboard (discussed in the next slide) or go back to the Queue and see other teams ready to take the challenge.

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Overall Score Board

HOME

Scoreboard

In the Queue

Overall Scoreboard

RANK	TEAM NAME	SCORE	ATTEMPT TIME	SCENARIO
1	Test Team 3	100	49 seconds	Military
2	Test Team 1	85	38 seconds	Business Security

Running with JQuery Mobile

- The Overall Scoreboard shows the top teams across all 4 scenarios at the top, in yellow. From here, the user can return to the Home Page or back to the queue.

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Home Page

[HOME](#)[Crime Scene](#)[In the Queue](#)

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Score Information

Overall Scoreboard

Scenario Scoreboards

Review Team Score Card

Click to view the scenario scoreboard

Running with JQuery Mobile

- The Scenario Scoreboard shows the leaders divided up by scenarios – who leads the Military, TSA, Law Enforcement, and Business Security scenarios.

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Scenario Score Board

HOME

Scoreboard

In the Queue

Overall Scoreboard

RANK	TEAM NAME	SCORE	ATTEMPT TIME	SCENARIO
1	Test Team 3	100	49 seconds	Military
2	Test Team 1	85	38 seconds	Business Security

Scoreboard for Business Security

RANK	TEAM NAME	SCORE	ATTEMPT TIME
1	Test Team 1	85	38 seconds

Scoreboard for Law Enforcement

No teams have scored yet.

Scoreboard for Military

RANK	TEAM NAME	SCORE	ATTEMPT TIME
1	Test Team 3	100	49 seconds

Scoreboard for TSA

No teams have scored yet.

- The scenario Scoreboard shows the top 5 teams across all 4 scenarios at the top, in yellow. The top 5 teams for each category are listed separately in the windows below. From here, the user can return to the Home Page or back to the queue.

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Home Page

[HOME](#)[Crime Scene](#)[In the Queue](#)

Team Information

Create Team

Teams

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In the Queue

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Overall Scoreboard

Scenario Scoreboards

Review Team Score Card

Click to view the Team Scorecard

Running with JQuery Mobile

- The Team Score card is shows, in detail, the items teams found, missed, chose incorrectly, or if the members misbehaved.
- This can be used to see the different scoring items and how much each item is worth.

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Select Team for Scorecard

HOME

Team Scorecard

In the Queue

Select Team to view Score Card

Q Search for team...

1 - Test Team 3



2 - Test Team 1



3 - Test Team 2



4 - Jessup



5 - Test Team 3



6 - Test Team 4



7 - mike



Click to view the
Team Scorecard

Running with JQuery Mobile



Team Scorecard

HOME

Team Scorecard

TEST (Business Security)

EVIDENCE NAME	EVIDENCE FOUND	INCORRECTLY TRIED	TOTAL POINTS EARNED
DVD:	2	0	2
Mini CD:	2	0	2
Camcorder:	2	0	2
SD Card:	2	0	2
USB Pen:	3	0	3
USB Wristband:	5	0	5
Improper Behavior:	Missed	Missed	Missed
Cell Phone:	Missed	Missed	Missed
CD:	Missed	Missed	Missed
Floppy:	Missed	Missed	Missed
Regular USB:	Missed	Missed	Missed
iPod:	Missed	Missed	Missed
Game Console:	Missed	Missed	Missed
CF Card:	Missed	Missed	Missed
Sunglasses:	Missed	Missed	Missed
Micro SD Card:	Missed	Missed	Missed
Memory Watch:	Missed	Missed	Missed
Pico USB:	Missed	Missed	Missed
Lego USB:	Missed	Missed	Missed
Spy Coin:	Missed	Missed	Missed
Password:	Missed	Missed	Missed
Evidence Found:	Missed	Missed	Missed
Chose correct device on first try:	Missed	Missed	Missed
Laptop Hard Drive:	Missed	Missed	Missed

16

Completed investigation in (04:06 minutes) for a Total Score: 16

- If a team wishes to know the reason for their score or the details behind their score, the administrator can view the details in the Team Score Card section.
- Users can navigate to this section from the Home Page by selecting 'Review Team Score Card' toward the bottom of the screen.
- **DO NOT SHOW THE TEAMS THIS PAGE!!!! Only verbalize.**



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Summary

- The DC3 Crime Scene App
 - Home Page
 - Creating a team
 - Adding a player with and without badges
 - Adding/Editing Team information
 - Adding/Editing Player information
 - In The Queue
 - The Overall Scoreboard
 - The Scenario Scoreboard
 - Team Score Card
 - Questions?



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