Electronic Health Records: A Teaching Tool

Nancy Meehan, PhD, RN

Roy Pargas, PhD

MUSC Visitors
April 2, 2010
Clemson University
School of Computing

Project Goals

1. To identify and predict successful EHR competencies for healthcare professionals.

2. To develop a software teaching tool (TeachEHR) that provides healthcare professionals with hands-on experience with an EHR system.

3. To use and evaluate TeachEHR in clinical settings, i.e., "Using the tool, did the students learn the desired healthcare competencies?"
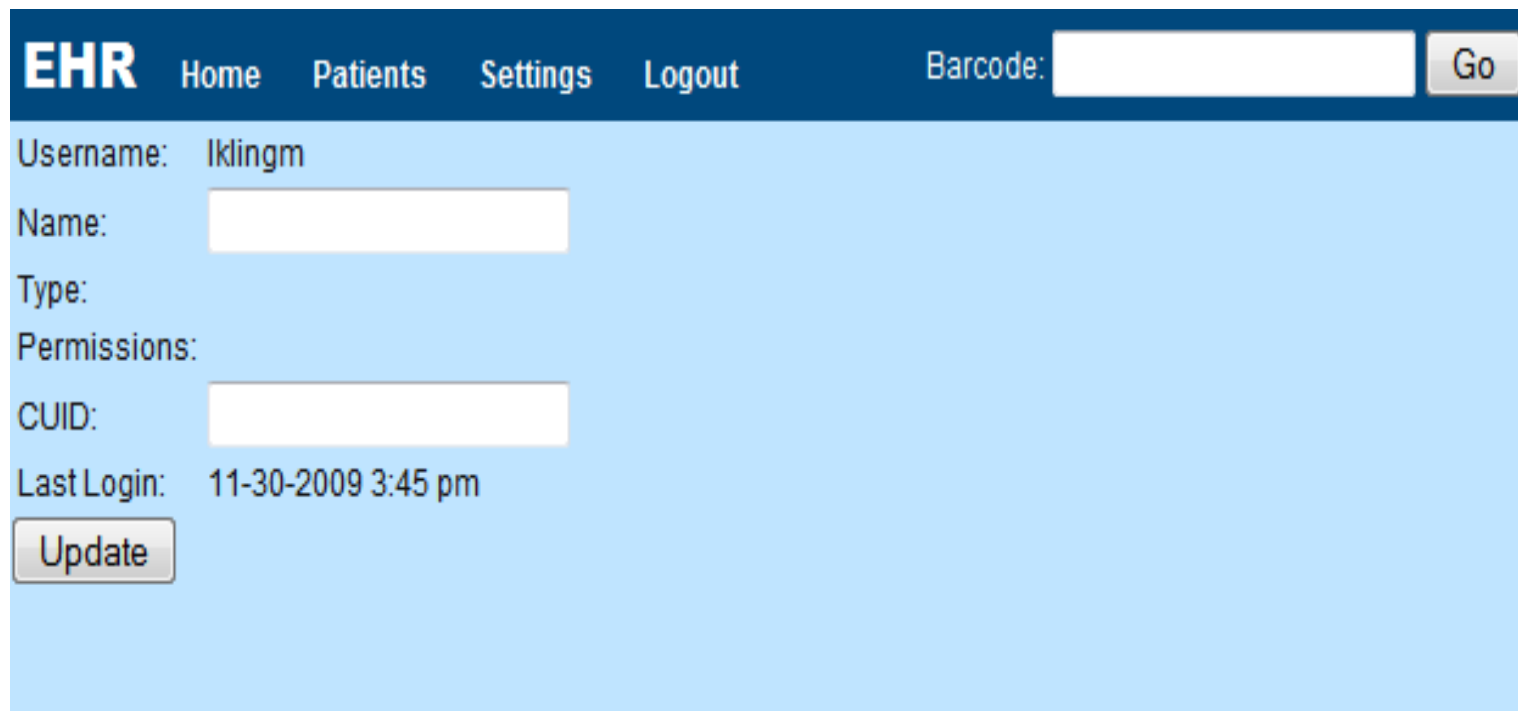
Clinical Learning Research Center

Components of our EHR

- Format that students are familiar with e.g., Facebook
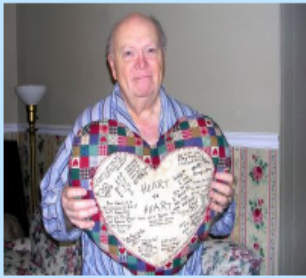
Components of our EHR

- Many features that exist in commercial EHR systems
  - Vital signs

Components of our EHR

- Many features that exist in commercial EHR systems
  - Medication reconciliation

Administer Medicine Options
Add Medicine Item for this Patient

Administer Medicine: [_____] [Administer]

Medicine	Start	End	Give Every	Amount
Real Barcode ✖	11-23-09 3:00 pm	11-26-09 3:00 pm	1 day	5.00 ML

Previous Medicine Administrations:

11-24-09 10:11 am
_____

Loren Klingman administered 2.00 MG of Real Barcode2. Approved by: Vikas, 889751312 ✖
11-24-09 3:56 am
_____

Trent Robbins administered 1.00 ml of Test Med3. Approved by: Vikas ✖
11-24-09 3:46 am
_____

Trent Robbins administered 1.00 ml of Test Med3. Approved by: Vikas ✖
11-21-09 9:01 pm
_____

Trent Robbins administered 1.00 ml of Test Med3. Approved by: Vikas ✖

WARNING: This medicine is not in the administration schedule.
Administering [_____] ml of Test Med3.

Scan Cards to verify before administration:
1: [_____]

[Administer]

Medicine: [_____ ▼]
Amount (only enter number, units come from above): [_____]
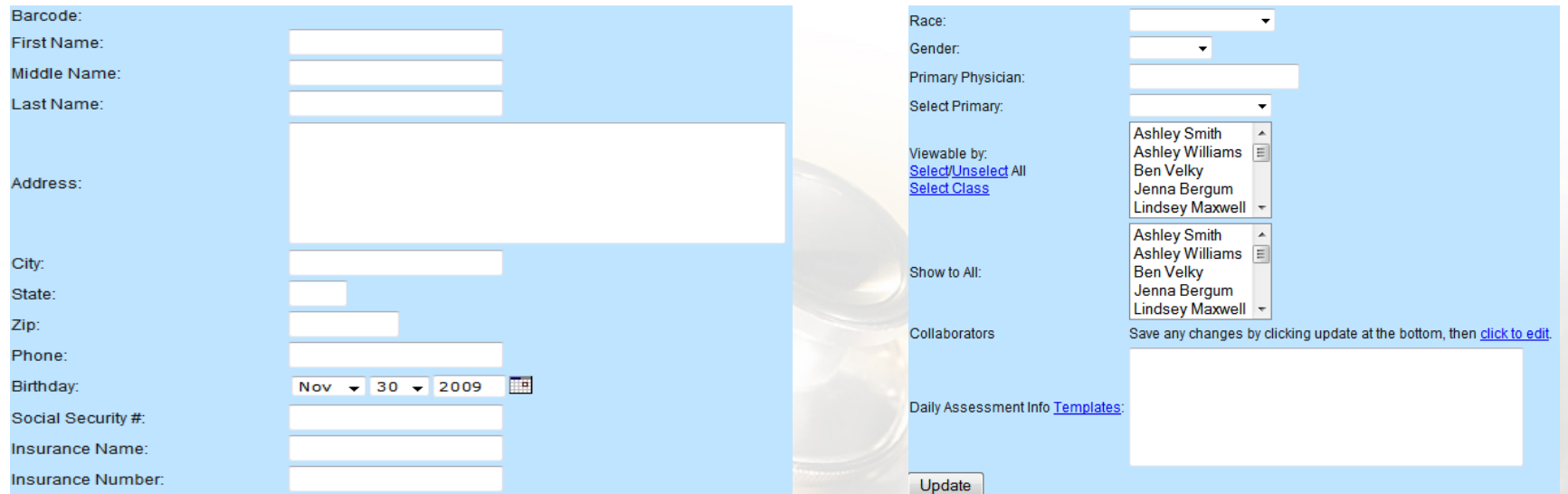
Start Date: [Dec ▼] [1 ▼] 2009 📅
[10 ▼] : [00 ▼] [am ▼]

End Date: [Dec ▼] [1 ▼] 2009 📅
[10 ▼] : [00 ▼] [am ▼]

Give Every: [_____ ▼]

[Update]

Components of our EHR

- Authoring tool for teachers to create patient scenarios

Questions

"Having Fun & Learning While Creating…"