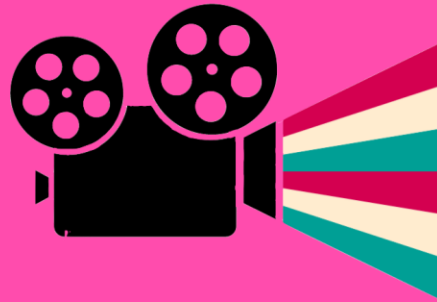


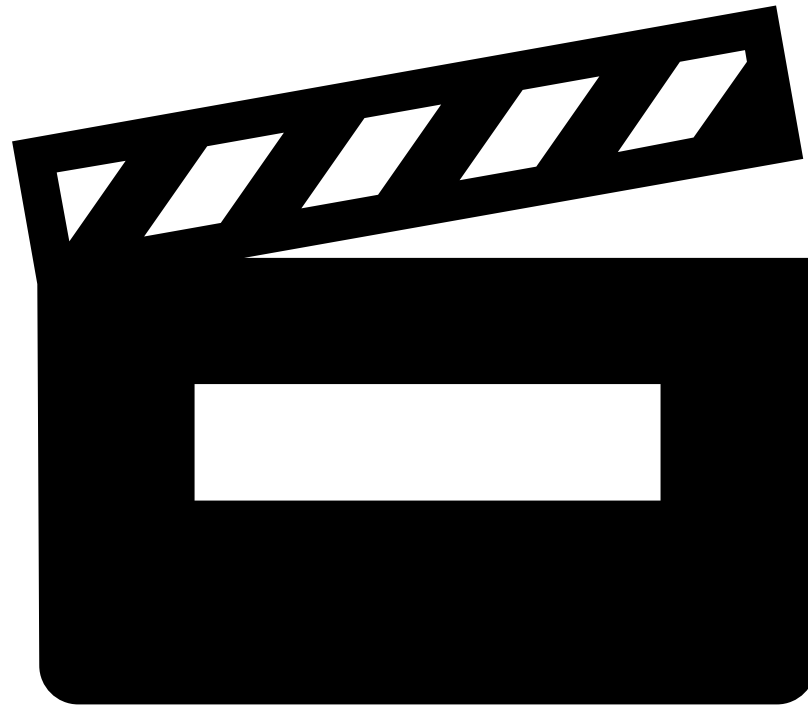
Senior Project Final Presentation  
Fall 2019

# **Miami-Dade County One-Stop Film Permitting System**



Team Members: Melanie Meza, Kent Miguel  
School of Computing and Information Sciences  
Florida International University  
December 6, 2019

# Introduction



# What is the problem?

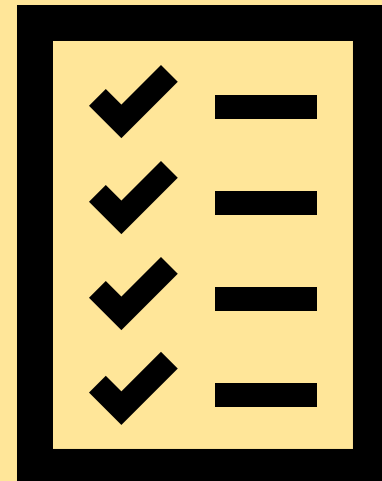
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Miami-Dade County needs a system for administering film permits for production companies seeking to film in Miami-Dade County and City of Miami Beach facilities, properties, as well as for most other local municipalities.

# Solution

- A multipage form with coherent Miami-Dade County design and theme
- Easy navigation through components/pages
- Stepper
- Responsive design
- Structured System
- ADA compliant
- Summary Box
- Edit/Delete option after submit



# Requirements

# Requirements



Align with the look and feel of Miami's Film Department



Responsive Components



Stepper



Status Box



ADA Compliance

# Our Contributions



0

1 Step 1 — 2 Step 2 — 3 Step 3 — 4 Step 4 — 5 Step 5 — 6 Step 6

### Step 1: Production Company Information

Enter your Production Company Information.  
(Field marked with \* are required.)

Company Name \*

Address \* Suite/Room

City \* State/Province

Zip/Postal Code

Country \*

Phone \* Fax \*

SAVE CANCEL

FOOTER

# Website Design

A look and feel which aligns  
with Film Miami's theme

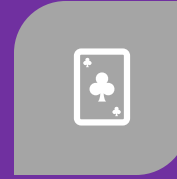




# Components of the website



BOX



CARD



GRID



PAPER



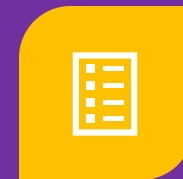
TEXTFIELD



TYPOGRAPHY



BUTTON



EXPANSIONPANEL

# Responsive Design



The One-Stop Film Permitting  
System is responsive to  
different screen sizes



Desktop



Tablet



Phone

# Client-Side Validation

Validate user input on the client-side in order to save resources on the server.

Start Date



Invalid Date Format

End Date



Invalid Date Format

Start Time



Invalid Time Format

Time picker

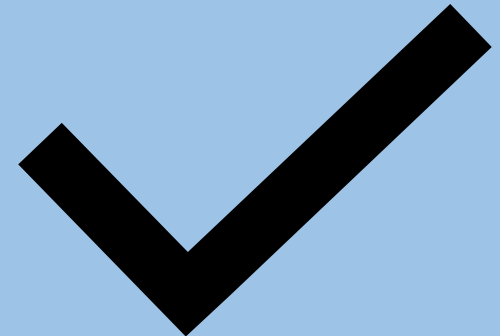


Invalid Time Format

E-mail Address \*

kmigu005...edu

Enter a valid email



# Project Management

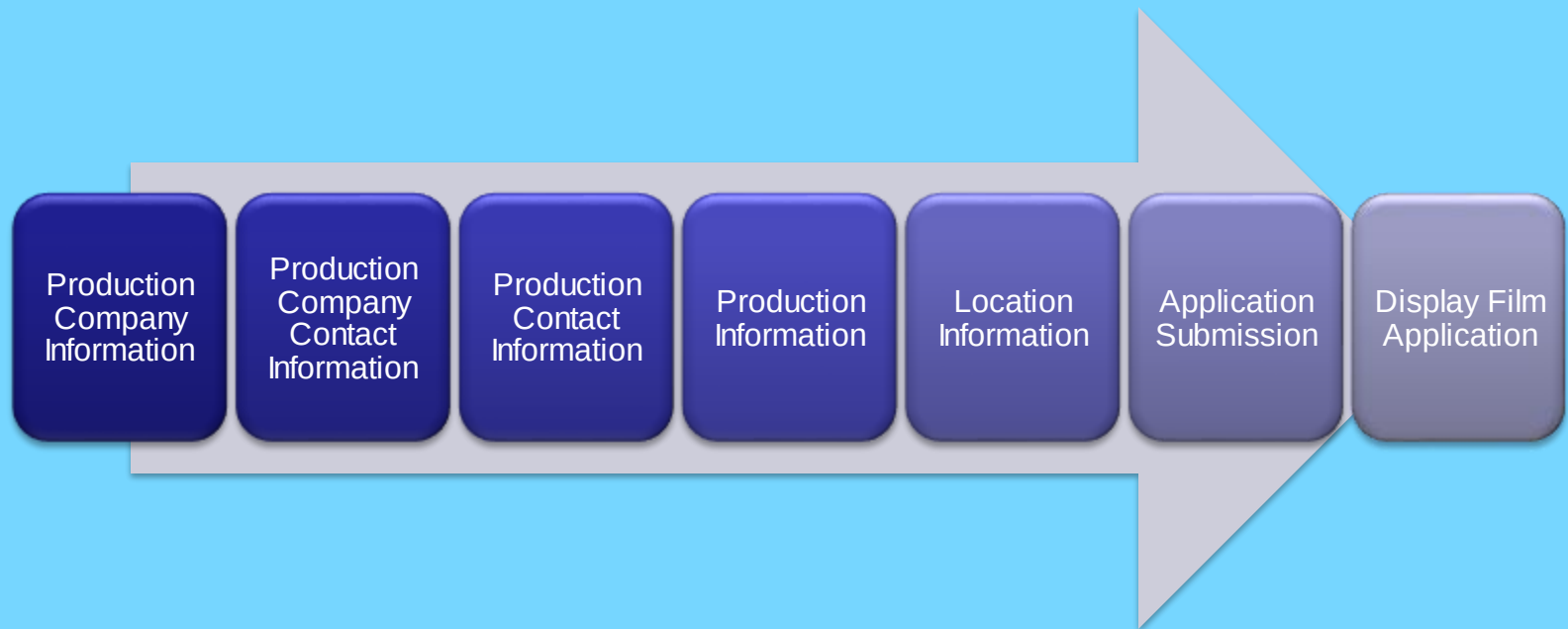
# Project Management

| Miami-Dade County<br>One Stop Film Permitting<br>Melanie Meza and Kent Miguel | Sprint 1<br>Sept 9 2019 - Sept 20 2019                  | Sprint 2<br>Sept 23 2019 - Oct 4 2019                | Sprint 3<br>Oct 7 2019 - Oct 18 2019                  | Sprint 4<br>Oct 21 2019 - Nov 1 2019                    | Sprint 5<br>Nov 4 2019 - Nov 15 2019                | Sprint 6<br>Nov 18 2019 - Nov 29 2019                    |
|-------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------|
| Epic                                                                          | 9 10 11 12 13 16 17 18 19 20<br>M T W T H F M T W T H F | 23 24 25 26 27 30 1 2 3 4<br>M T W T H F M T W T H F | 7 8 9 10 11 14 15 16 17 18<br>M T W T H F M T W T H F | 21 22 23 24 25 28 29 30 31 1<br>M T W T H F M T W T H F | 4 5 6 7 8 11 12 13 14 15<br>M T W T H F M T W T H F | 18 19 20 21 22 25 26 27 18 29<br>M T W T H F M T W T H F |
| Component Card                                                                |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-6 Step 1 Component                                                      |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-7 Step 2 Component                                                      |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-8 Step 3 Component                                                      |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-9 Step 4 Component                                                      |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-10 Step 5 Component                                                     |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-11 Step 6 Component                                                     |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-12 Step 7 Component                                                     |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-13 Step 8 Component                                                     |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| Look and Feel                                                                 |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-18 Responsive Web Application                                           |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-15 Save Information                                                     |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-19 Mock Footer                                                          |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-20 Mock Header                                                          |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-21 System Shell                                                         |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-22 Responsive Card                                                      |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-27 Summary Box                                                          |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-28 Collapse Summary of Application                                      |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-29 Collapse Summary of Application                                      |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| Accessibility                                                                 |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-30 : NVDA                                                               |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-31 Voiceover                                                            |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| Additional Features                                                           |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-23 Collapse Date Input                                                  |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-24 Collapse Time Input                                                  |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-25 Expand Date Input                                                    |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |
| MOSFP-26 Expand Time Input                                                    |                                                         |                                                      |                                                       |                                                         |                                                     |                                                          |

# System Design

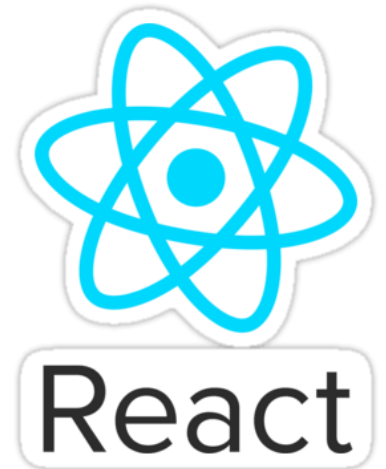
# System Design

- Functional and stateful components
- Loosely-coupled system
- Composition of Components



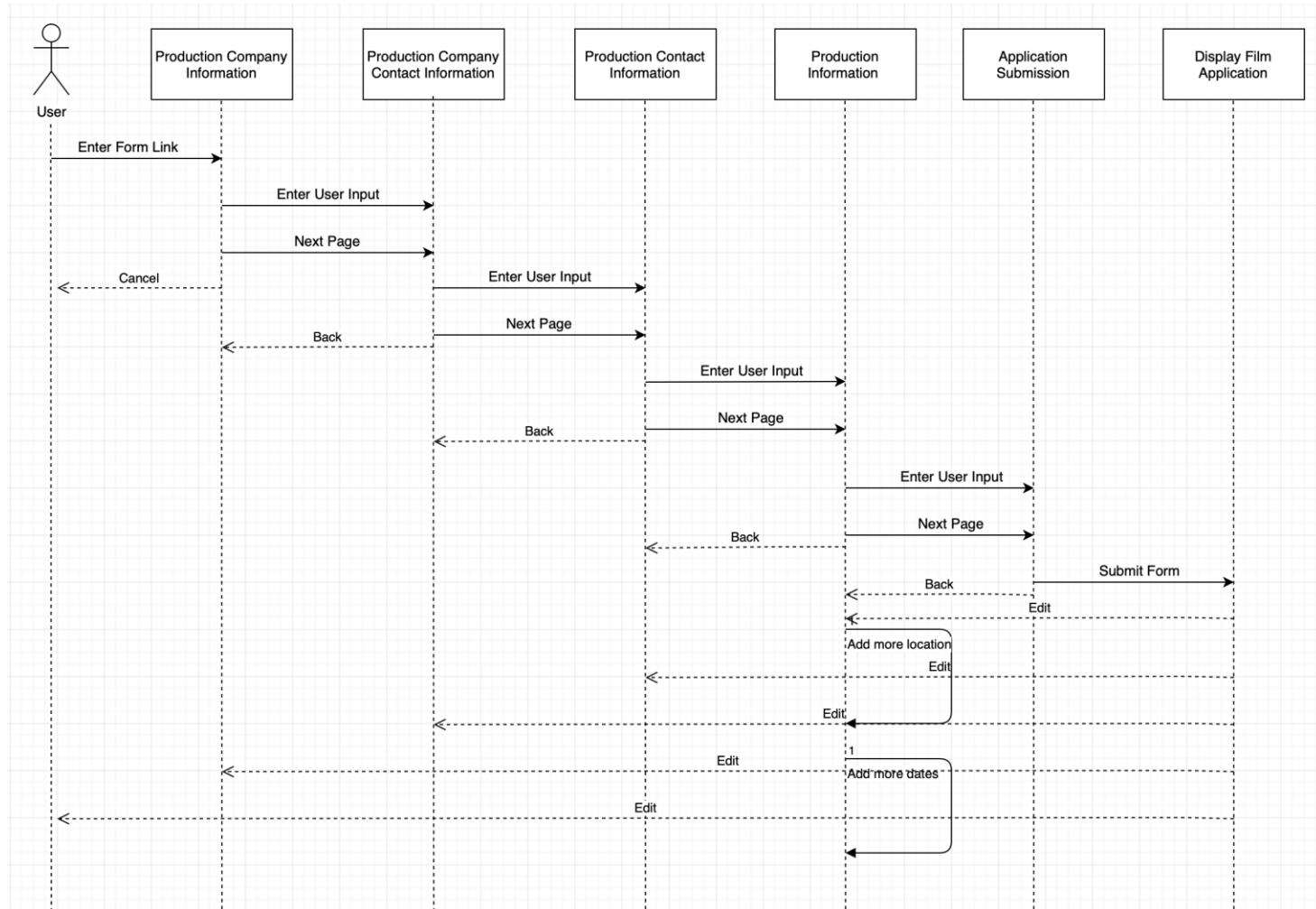
# Implementation

- The front-end is built on React, JavaScript, HTML5 and CSS
- Material UI front-end framework





# UML Sequence Diagram



The end