



EPAP UPDATE

Team Crawford Long
October 11, 2017

AGENDA

- Project Stakeholders & Assigned Responsibilities
- Project Charter Update
- Showcase of Phase Two Deliverables, In Progress
- Closing Statements

PROJECT STAKEHOLDERS

Team Members

Ashley Reese

Project Manager, Lead Developer

Ben Pitts

Front End Developer, Test Analyst

Dan Crittenden

Assistant Project Manager, Back End Developer

John Peeler

Data Analyst, Full-Stack Developer

Justin Ucol

Full-Stack Developer, Database Administrator

Sponsors

Dr. Aalap Shah, MD

Cedars-Sinai Hospital, Los Angeles, CA

Dr. Vikas O'Reilly-Shah, MD, PhD

Emory University, Children's Healthcare of Atlanta

PROJECT CHARTER

- Agreed to and executed by stakeholders on October 6, 2017
- Outlines the ground rules and the rough game plan for the project
- Specifies scope and requirements
- Details the budget (\$0!!)
- Clearly states assumptions and risks
- Puts management plans in place for communication, scope, quality, change control, human resources, implementation and closure

EPAP MOBILE APPLICATION



Project Charter

Prepared for: Dr. Aalap Shah & Dr. Vikas O'Reilly-Shah, Project Sponsors
Prepared by: Team Crawford Long, Terry College of Business, University of Georgia
October 1, 2017
Proposal Version 1.0

PHASE TWO: PLANNING - DELIVERABLES

- Develop Project Plan
- Develop Project Control Plan
- Finalize Project Plan

DEVELOP PROJECT PLAN

- **Planning Completed, Phases I-3:**
 - Work Breakdown Structure
- **Included in Charter:**
 - Project Timeline
 - Project Responsibilities



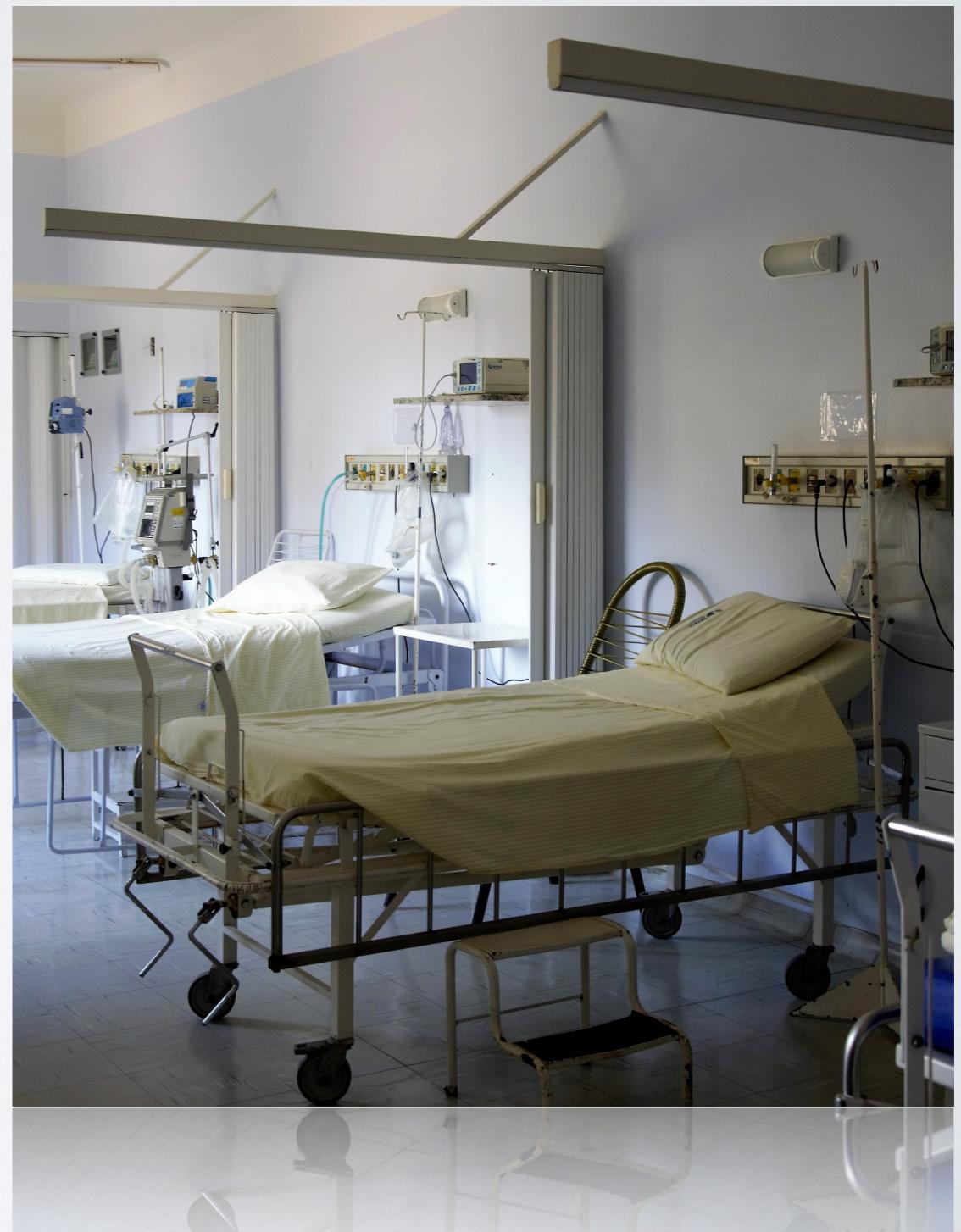
DEVELOP PROJECT CONTROL PLAN



- **Included in Charter:**
 - Communication Plan
 - Quality Control Plan
 - Change Management Plan

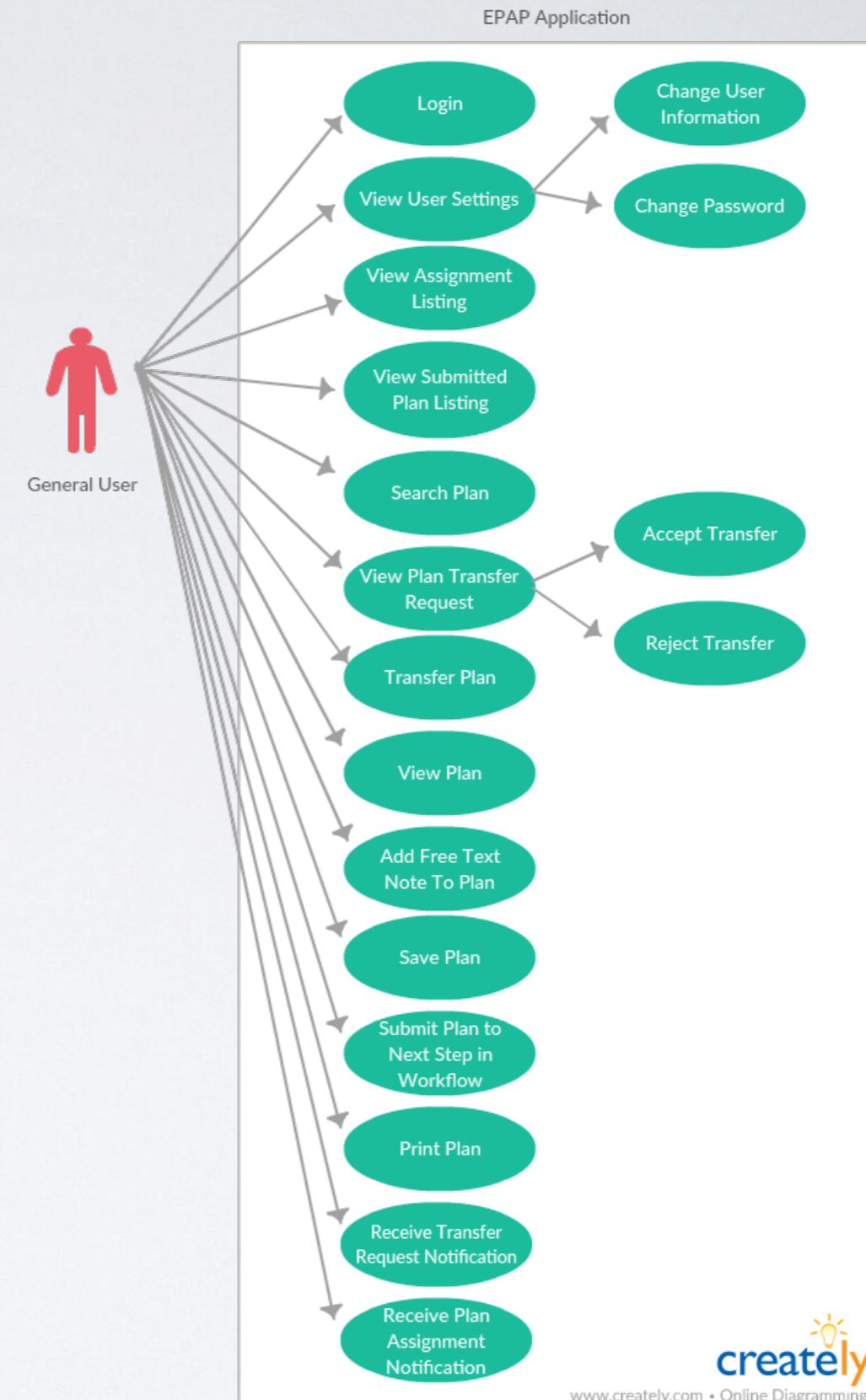
DEVELOP PROJECT PLAN

- **Finalize Project Requirements**
 - Use Cases are in progress
 - Technology stack/ framework selection update



USE CASE DIAGRAM

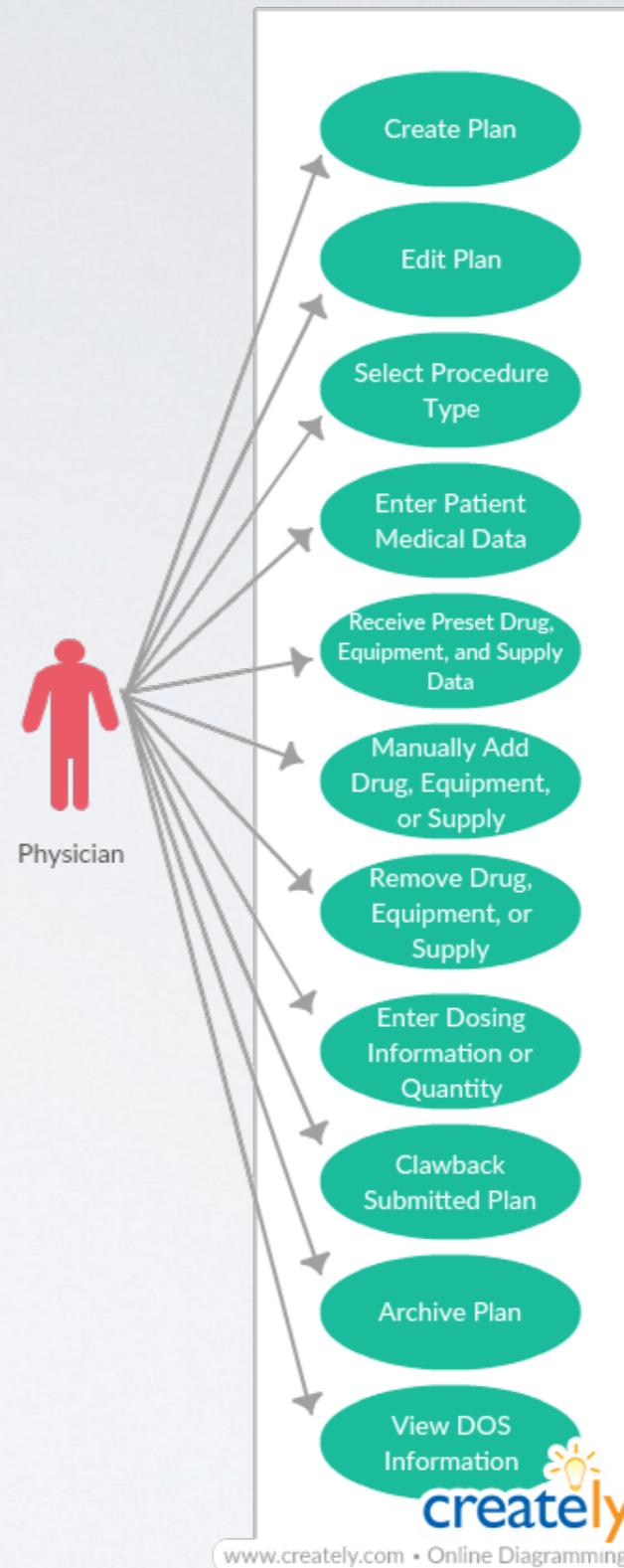
General User
(All Roles)



USE CASE DIAGRAM

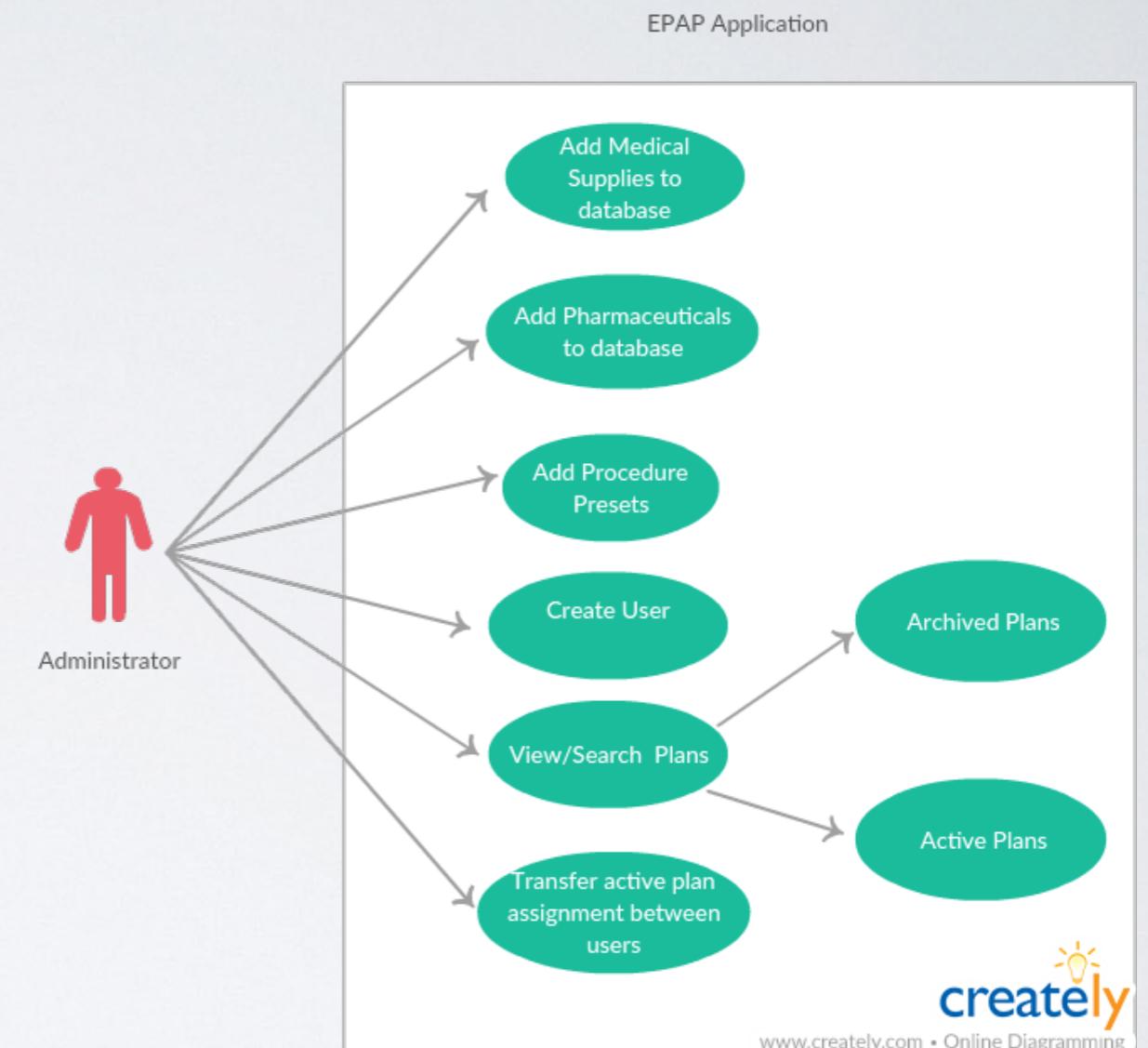
Physician

EPAP Application



USE CASE DIAGRAM

Administrator



TECHNOLOGY STACK & FRAMEWORK SELECTION

Front-end Decision Matrix

| | 26% | 16% | 26% | 11% | 21% | 100% | |
|--------------|-------------------------|------------------------|------------------|------------------------------|---------------------------------|-------------|--|
| Option | Cross-Platform developm | Development-test speed | Ease of Learning | GUI(Utilizes Native widgets) | Features(Push Notification,etc) | Total Score | |
| React Native | 80 | 100 | 80 | 100 | 100 | 89 | <div style="width: 89%; background-color: red;"></div> |
| Xamarian | 100 | 50 | 50 | 100 | 100 | 79 | <div style="width: 79%; background-color: red;"></div> |
| Ionic | 100 | 100 | 90 | 0 | 40 | 74 | <div style="width: 74%; background-color: red;"></div> |

Back-end Decision Matrix

| | 18% | 29% | 24% | 24% | 6% | 100% | |
|------------------------------------|------|----------------------|----------------------------|----------|-----------------|-------------|--|
| Option | Cost | Implementation speed | Difficulty(Learning Curve) | Security | Customizability | Total Score | |
| Custom backend (in house) | 20 | 20 | 30 | 80 | 100 | 41 | <div style="width: 41%; background-color: red;"></div> |
| MBaaS(Mobile Backend as a service) | 80 | 100 | 80 | 50 | 50 | 77 | <div style="width: 77%; background-color: red;"></div> |

NEXT STEPS

- **Review with sponsors:**
 - Use case diagrams
 - Framework/stack recommendation
- **Finalize project plan**
- **Finalize project requirements**



Questions?