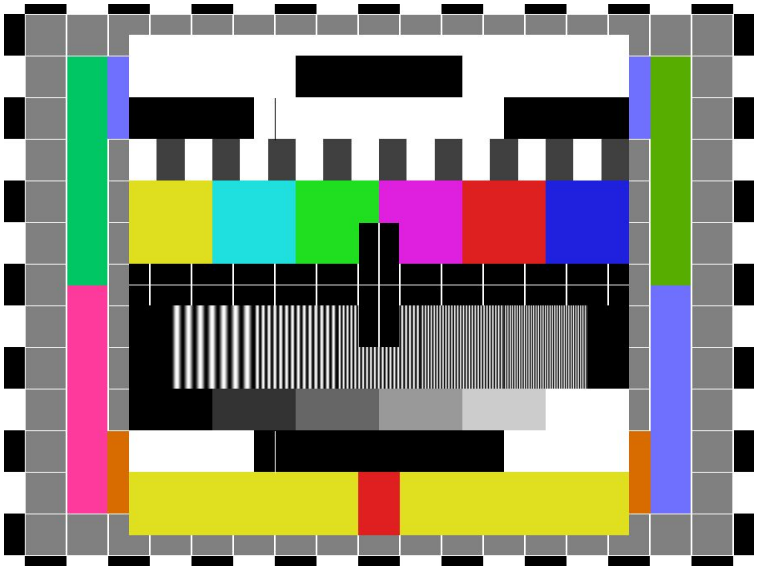
Department of Computer Science & Engineering
The University of Texas at Arlington

Project Charter
CSE 4316: Senior Design I
Fall 2017



Team Tassium
Intelligrip

Anthony Tatowicz
Jesse Mitchell
Todd Brewer
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Revision History

Revision	Date	Author(s)	Description
0.1	10.02.2017	LV	Creating document
0.1	10.02.2017	LV	New Entry example

CONTENTS

List of Figures

1 Vision

Our vision for the Intelligripis to eliminate labor-intensive actions for employees. A machine that can repeat such actions will reduce the fatigue of the employee. Productivity will be at a linear pace because the machine will not get tire.

2 Mission

Create a gripper that will be use for multiple purposes. The UR5 will be use as the arm with the gripper mount at the wrist of the machine.

3 Success Criteria

Achieving a prototype of the Intelligripsuch that it will successfully perform a repeating task.

4 Background

WIP

5 Related Work

Discuss the state-of-the-art with respect to your product. What solutions currently exist, and in what form (academic research, enthusiast prototype, commercially available, etc)? Include references and citations as necessary [**?**].

6 System Overview

WIP

7 Roles & Responsibilities

Technical Expert : Anthony Tatowicz
Product Owner : Jesse Mitchell
System Architect : Todd Brewer
Scrum Master : Linh Vu

8 Facilities & Equipment

UR5 Robot
ERB 208 lab

9 Cost Proposal

WIP

9.1 Preliminary Budget

WIP

9.2 Current & Pending Support

WIP

10 Documentation & Reporting

In this section, you will describe all of the various artifacts that you will generate and maintain during the project lifecycle. Describe the purpose of each item below, how the content will be generated, where it will be stored, how often it will be updated, etc.

10.1 Project Charter

Store in Github repository where all team member will have access. The charter will be update when all member agreed to any changes to the charter or every two weeks.

10.2 Product Backlog

Any items that are necessary to complete the project. This will be update when the team gains more knowledge through out the project.

10.3 Sprint Planning

Sprint planning will be in a group meeting within the last week of the sprint. Plans will be updated if there are any changes that require the team attention.

10.3.1 Sprint Goal

Goal of the sprint is to successfully accomplish the task of that sprint.It will be update when changes are approve by the team.

10.3.2 Sprint Backlog

Sprint backlog will hold any tasks that are unable to complete during the current sprint. This will be update as the team gains more knowledge through out the project.

10.3.3 Task Breakdown

Tasks will be distribute to team members when they are clearly define. More than one members can work on a task if it is necessary.

10.4 Sprint Burndown Charts

WIP

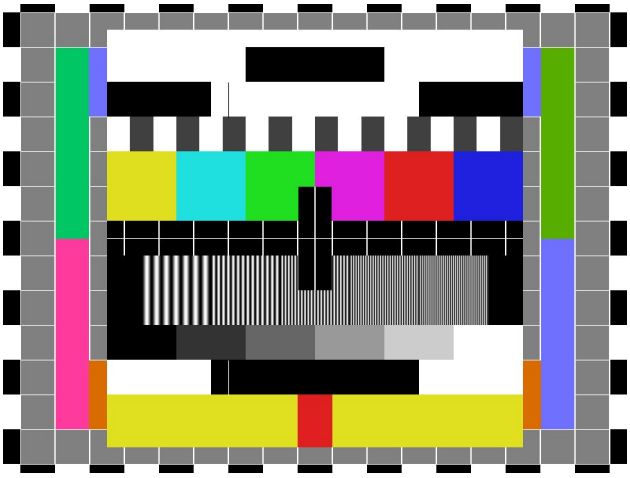

Figure 1: Example sprint burndown chart

10.5 Sprint Retrospective

WIP

10.6 Individual Status Reports

WIP

10.7 Engineering Notebooks

WIP

10.8 Closeout Materials

WIP

10.8.1 System Prototype

WIP

10.8.2 Project Poster

WIP

10.8.3 Web Page

WIP

10.8.4 Demo Video

WIP

10.8.5 Source Code

WIP

10.8.6 Source Code Documentation

WIP

10.8.7 Hardware Schematics

WIP

10.8.8 CAD files

WIP

10.8.9 Installation Scripts

WIP

10.8.10 User Manual

WIP