*Project Proposal: A free workout app that has workouts based on the user’s personal measurements – resulting in a more personalized workout.*

*Bruh*

Project Portfolio

02-08-2022

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[Project portfolio template directives and placeholders (delineated by “[ ]” or “< >” and/or highlighted or optional sections not included) should be removed from the document prior to submission. Empty sections for inclusion in later submissions may remain in the document for early submissions.]

[IMPORTANT: All diagrams developed using Enterprise Architectures must include the following acknowledgement: “Thanks to SPARX Systems for LSU student and faculty use of Enterprise Architect for academic purposes”.]

# Introduction <Milestone #1: Proposal>

The problem we are attempting to solve is the fact that there’s no free workout app that helps you based on your actual measurements. Most of the workout apps that we have found require a subscription; and some don’t even check your measurements before proceeding.

Core Features:

* Free workouts that are tailored to the user’s measurements.
* Ability to share workout progress with other people.
* Ability to update your measurements as they change and have your workouts change based on it.

Viable Features:

* Paid nutrition features – This tells you a list of healthy options for meals based on your goal – whether it be bulking or cutting.

# The Bruh Team < Milestone #1: Proposal >

[*Provide the team structure. This should include the team member name, role(s), and responsibilities. If team members have different roles/responsibilities for different project milestones, these should be listed by milestone*. *This section should be provided during the Proposal phase, but it should be updated as roles change for different milestones. The team GitHub link should be included in this section.*]

Team name: Bruh

Members:

Ashwin Nair - Developer

Austin McBurney – Team leader for Milestone 1

Christian Pentavin - Developer

Brandon Domangue - Developer

Johnathon Lagarrigue - Developer

Jacob Carter - Developer

David Robins – Developer  
  
GitHub Link:   
  
[Bruh GitHub Link](https://github.com/anair14/3380-project-team)

# System Requirements < Milestone #1: Proposal >

## Requirements [optional]

[*A list of system requirements. This should include, at a minimum, the requirements imposed by the class project*.]

## Epics [optional]

[*A list of system epics. Epics are similar to user stories, but they are more broad; epics cannot be completed in a single sprint. Epics follow the same format as user stories.*]

### Epic #1

[*Epic Statement, using the following format:*

*As a \_\_\_\_\_\_\_\_\_\_, I want to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, so I can \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(optional).*]

## User Stories

[*A list of 1-2 user stories; additional user stories are optional.* ]

### User Story #1

[*User Story Statement, using the following format:*

*As a \_\_\_\_\_\_\_\_\_\_, I want to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, so I can \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(optional).*]

# Project Management

## Continuity of Operations Plan (COOP) < Milestone #1: Proposal >

[*The team should discuss how they plan on communicating and coordinating their efforts. This should include a contingency plan in case one or more team member is unable to meet in-person (e.g., COVID-19 quarantine) or suddenly becomes unavailable (temporarily, such as illness or injury, or permanently, such as dropping the class). The Continuity of Operations Plan is a paragraph or two capturing this discussion.*]

We have a discord server to communicate with. Our contingency plan is using Zoom in case someone becomes temporarily unavailable, and if someone drops the class or something permanent happens, we plan to meet as a team and discuss what we’re going to do, such as splitting up that person’s work so no one person has to pick up the slack.

## Project Plan

### System Architecture Design and Development < Milestone #1: Proposal & Milestone 2: Architecture>

[Milestone 1 (Proposal): The Project Plan WBS provides a list of activities/tasks to be undertaken to complete Milestone 2 (Architecture). The WBS activity chart should include task dependencies, estimated level of effort, and expected start and completion dates.

Milestone 2 (Architecture): The WBS activity chart for the milestone should be updated to include actual level of effort and start and completion dates.]

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **Activity** | **Pre #** | **Estimated**  **Effort** | **Actual**  **Effort** | **Estimated**  **Start Date** | **Estimated**  **Finish Date** | **Actual**  **Start Date** | **Actual**  **Finish Date** |
|  |  |  |  |  |  |  |  |  |

### System Implementation <Milestone 2: Architecture & Milestone 3: System Implementation>

[Milestone 2 (Architecture): The Project Plan WBS provides a list of activities/tasks to be undertaken to complete Milestone 3 (System Implementation). The WBS activity chart should include task dependencies, estimated level of effort, and expected start and completion dates.

Milestone 3 (System Implementatin): The WBS activity chart for the milestone should be updated to include actual level of effort and start and completion dates.]

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **Activity** | **Pre #** | **Estimated**  **Effort** | **Actual**  **Effort** | **Estimated**  **Start Date** | **Estimated**  **Finish Date** | **Actual**  **Start Date** | **Actual**  **Finish Date** |
|  |  |  |  |  |  |  |  |  |

## Project Postmortem <Postmortem>

### Project Wins

[Provide a bulleted list of at least 3 positive aspects of the project.]

### Root Cause Analysis

[Provide a bulleted list of at least 3 negative aspects of the project. For each negative, provide the answer to the three successive “Why” questions. ]

### Lessons Learned

[For each negative aspect identified in the Root Cause Analysis, provide a mitigation strategy (i.e., what process should be introduced) to ensure that the problem is not repeated in subsequent projects.]

# System Design

[*Include a short (1-2 sentences) statement about system design*.]

## System Architecture <Milestone #2: System Architecture>

[*A short description of the system architecture.*]

### Component Design

[*Insert image of system architecture component diagram.*]

[*Architecture overview, to include user I/O, external data sources, and major system components.*]

### Data Flow

[*Insert image of system architecture data flow diagram.*]

[*Architecture data flow discussion: a high-level description of the data between both internal major components and external data sources.*]

## System Components <Milestone 3: System Implementation>

[*Include a component sub-section for each component in the architecture diagram. Each component subsection will include a class diagram*]

### Component [Component Name 1]

[*A short description of the component*.]

[*An EA class diagram of the component that includes method parameters.*]

### Component [Component Name 2]

[*A short description of the component*.]

[*An EA class diagram of the component that includes method parameters.*]

### Component [Component Name n]

[*A short description of the component*.]

[*An EA class diagram of the component that includes method parameters.*]

## Design Pattern <Milestone 3: System Implementation>

[*Class diagram of design pattern incorporated into the project. Pattern must be specific to the project and not a general design pattern class diagram. The project must include at least 2 design patterns covered in class.*]

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