

CS290 How-To Proposal

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Abstract

This document is a proposal for the CS290 How-To Guide. For this assignment, I propose to build a website that acts as a how-to guide for the **Google Fit API**. What follows is a brief discussion of the API and what it can do for users.

1 OVERVIEW

The Google Fit API is a platform that seeks to make building fitness applications easy. It includes components that can make finding sensors on a device easy, allow for simple data collection, and includes aids to make it easy for users to keep track of their information. The Google Fit API is used by Adidas, Nike, Intel, and many other partners. In addition, the Google Fit API is available for Android or as a REST service. This gives it the flexibility to be used by a wide variety of applications.

2 COMPONENTS

2.1 Fitness Store

The Google Fitness Store is a cloud repository that stores data from different apps and devices so that users can access it on any device that uses Google Fit API.

2.2 Sensor Framework

This component of the Google Fit API has representations for different types of sensors that may be on the device and make it easy for developers to tie these sensors to the Fitness store in their app.

2.3 Permissions and User Controls

The Google Fit API includes a suite of authorization controls so users can control what fitness data applications can collect.