**Health Information REST APIs**

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**Status**

Proposed

**Context**

We need to develop API to get health information from user. Based on user requirement, search the system to find the available meals that matches user’s data. In order to do that we should write API to get inputs from user.

In the system we should store nutrients levels on each meal, and we should get information related to nutrition levels from several sources such as dietitians, nutritionists, etc.

It is good if we can integrate HIPPA regulations to the system but that again involve health claims.

**Decision**

Following APIs should be developed to store health records.

* Search available meals based on the nutrition level given
* Save preferred nutrition levels of the user in DB and in cache which can be used for next search.

At this moment HIPPA regulations will not be integrated to the system because that involves a cost. We need to have partnership with Insurance and hospitals and give more focus on user’s privacy on the medical reports.

Architecture characteristics that required:

* Reliability
* Performance
* Security

**Consequences**

Getting customers health requirement and preparing the meal according to user is a win-win situation. We can store these data in cache, therefore those data can be used for user’s next visit and suggest meals based on the history data.

Architecture tradeoff analysis

* Usage of cache
  + This enables fast access to frequently searched items.

Architecture fitness function

When user login to the system set of meals should be displayed based on his nutrition preferences.