

# 7<sup>th</sup> Milestone Report for 15-400, Spring 2017

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## **Major Changes :**

There have been no major changes.

## **Accomplishments So Far :**

I'm still working on the full proof of the generalized version of hardness of fractional clustering. I've been meaning to discuss this with Avrim, but he has been busy, but hopefully I will finalize this soon. I will start working on my report and poster as well.

## **Meeting The Milestone :**

My final result will be an NP-hardness result for the fractional clustering problem. I met my milestone in the sense that we have a hardness result, although I didn't make much progress on the algorithmic front.

## **Surprises :**

None.

## **Resources Needed :**

I haven't felt the need for any more non-trivial resources so far.