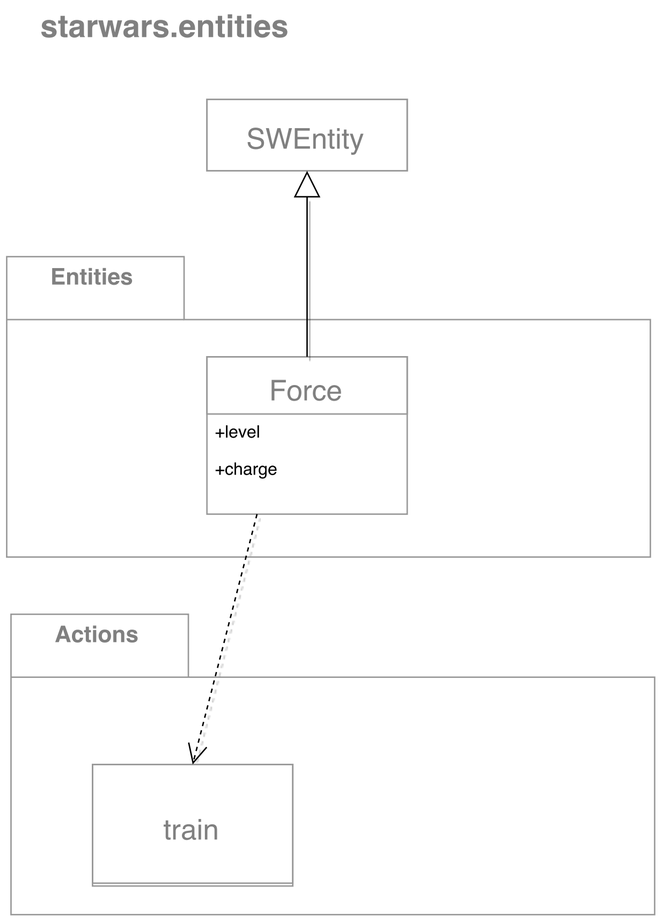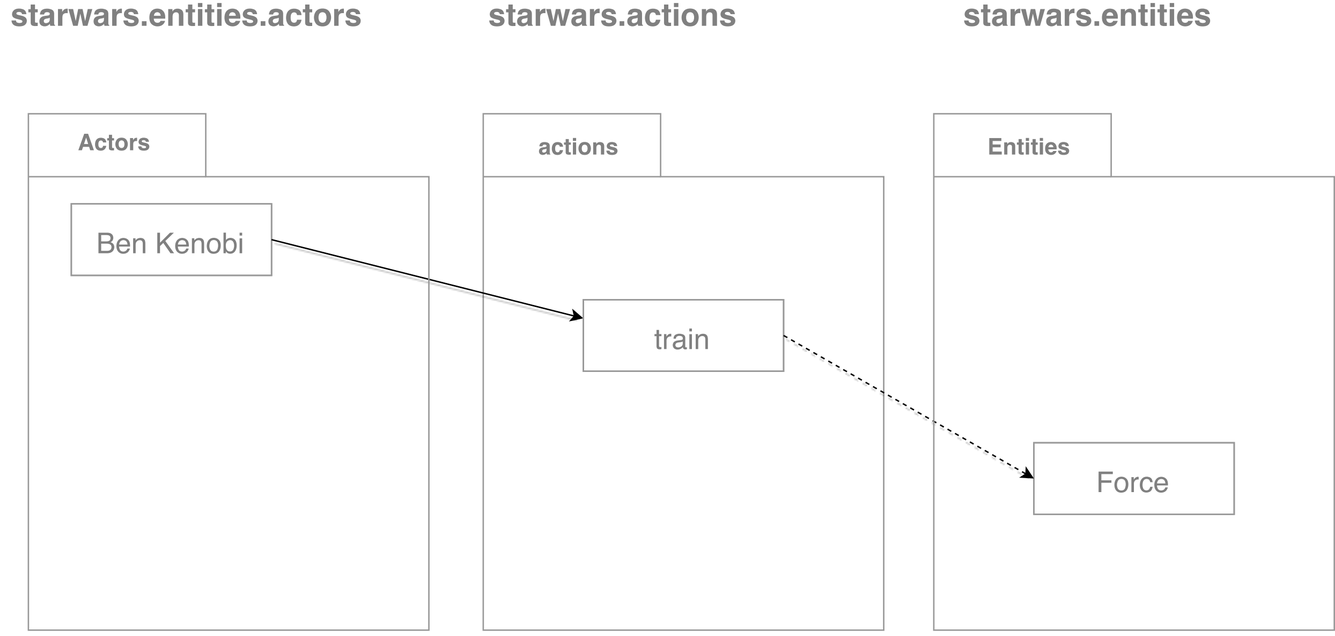Additions for Training