

Student Success Tracker

System Design Document Introduction

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The purpose of this document is to serve as a detailed blueprint for the Student Success Tracker application. This document reimagines our previous system requirements at the design level, in order to further guide our team on how the users will interact with Student Success Tracker. The first major component of this document are the design level class diagrams. These diagrams now feature data and return types, initial values and method parameters. Additionally this document includes pseudo code for the methods in the design level class diagram. The benefit of the pseudo code is now our programmers can at a glance understand how each method should function, and then implement accordingly. The second component of this document are the statechart diagrams. The purpose of these diagrams is to help visualize the life cycle and intersections the objects within Student Success Tracker will have. The final component of this document are the sequence diagrams. These diagrams are an evolution of the system sequence diagrams from the requirements phase. As a result they show the object interactions within Student Success tracker and they provide clarity for how the app operates internally.