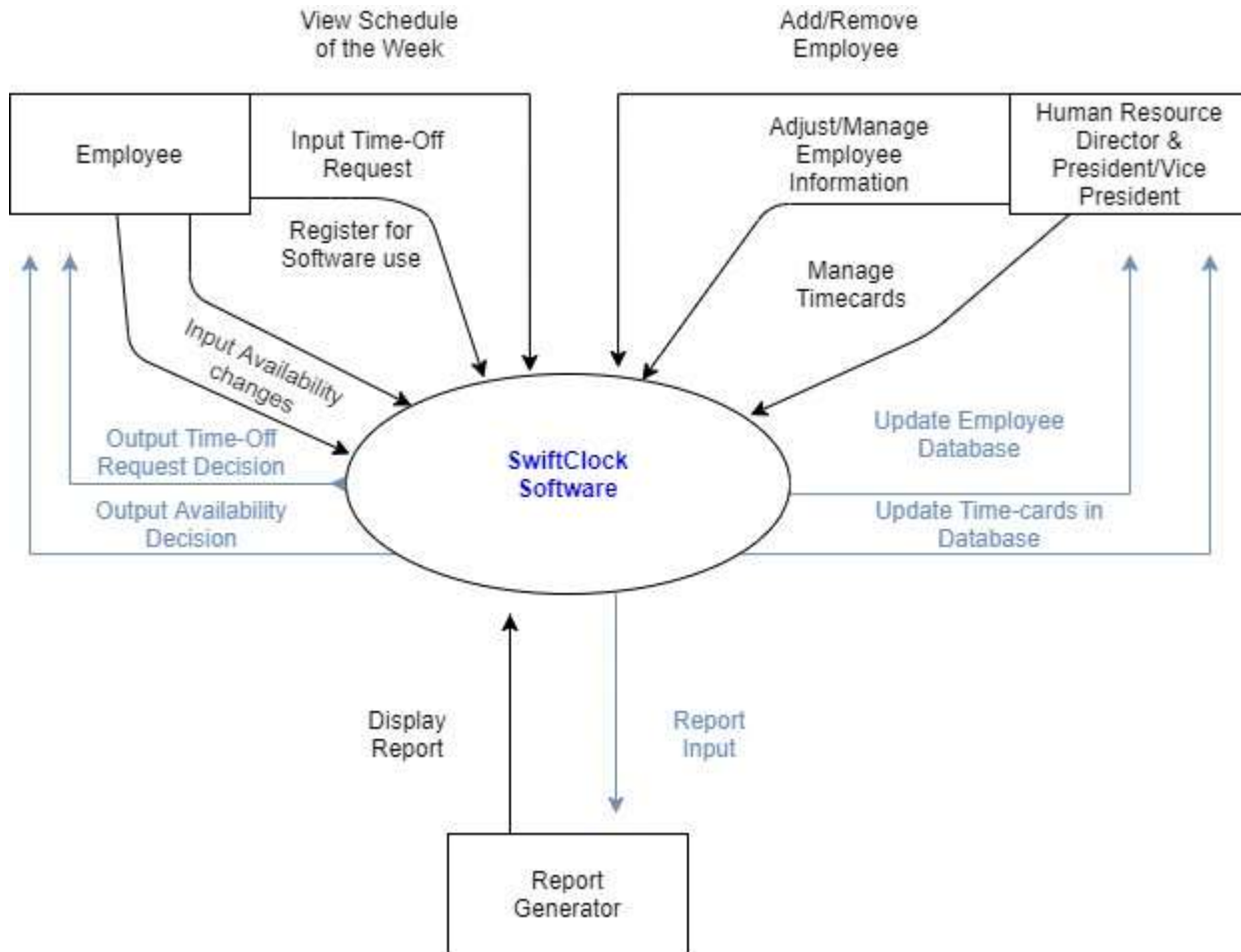


Data Flow / Software Context Model

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General

A context diagram, which is also known as a Level 0, is an abstraction view of a system that shows the single processes with its relationship to external entities. It shows an entire system along with its input and output data represented as arrows going in both directions. At the center of a context diagram, the software that is to be developed should be named in a Blackbox or circle. From there all the system's interfaces will be listed going in from the software, or out. Context diagrams help aid in understanding the system and how it interacts with its interfaces and it is often used in Software Engineering for that reason.

Process

The process for building the context diagram for my software that is to be developed, SwiftClocks', was one of the multiple steps. First, I analyzed my product's perspective that outlines all of the interfaces that interact with the system. After inspecting all the interfaces that interact with SwiftClock, I drew my rough draft of my level 0 on a piece of paper, in order to visualize what interfaces interact with my software better. Then, I used a free online diagram software for making flowcharts and diagrams called draw.io to actually create the diagram itself into a png. [Draw.io](https://draw.io) enabled me to use shapes, texts, and arrows to create my context diagram.