SSW 555 Agile Methods for Software Development

Homework 3

1. The scrum team has a scrum master and the rest of the team is split up into the development team where they self-organize amongst themselves. From there, internal stakeholders exist and there are customers and/or users for the product itself. The product owner represents the customer and the customer’s needs. They are the product visionary and they are responsible for the return on investment (ROI). They have the final say on the product and the releases of the product. Furthermore, the product owner runs and manages the product overload of the desired features and they decide when/whether they should release increments to users. The development team is a small, cross-functional, self-sufficient group. Usually, they can be from anywhere between 3 - 10 software developers. They are a self-organizing team so they get to choose who does what within the team and they all are in the same location physically. The scrum master helps the development team practice scrum. They are not the manager of the scrum team but they help support scrum artifacts. Because they are not the manager of the team, they have no actual authority over the team. They do not make the technical or business choices and developers report to the team (not the scrum master). They try to help to reduce wonders by maximizing communication. To specify more precisely with the Driverless cars, the scrum master would be helping the software development team ensure that they get all the features they planned to get out while their sprint. The sprint would likely involve some driverless feature for the car (such as parallel parking unassisted) and then the product owner will ask for particular features for the car (although anyone can add features). The stakeholders are the driverless car business. They need to worry about the fact that people’s lives and cars could be at stake and so there is a large monetary portion for them to ensure this product is built perfectly.