# Why are we doing the project?

* Visualise time spent on projects versus interruptions.
* Visualise availability of team members to reduce interruptions.
* Interruptions are bad because it leads to task switching. There is a switch cost (time) involved whenever this happens.

# What problem are you solving?

* Productivity of development teams suffers when developers are interrupted and interruptions are generally high. It would be useful to be able to quantify the impact and cost of this.

# Why are you solving it?

* A centralized system would allow for reporting on team-wide basis. This would allow team managers/leaders to monitor what is having a negative impact on productivity.
* It would also allow team leaders to see how much time is going into each task team members are working on – this would be beneficial for making more accurate estimations in future as well as help with cost allocation/budgeting.
* Further it would help if the availability of individual team members is visible to minimize interruptions.

# How do you want to solve it?

* We want to build a centralized online system for capturing time and interruptions and show availability for teams using the Pomodoro technique.
* Probably using a web service type approach which syncs data to the central server. The client app could be a web portal, a local client, and/or a mobile application. I think we probably need to have a more detailed discussion around the architecture/design.

# How would you know if it is solved?

* Client app allows users (who belong to 1 or more teams) to capture their “to do” planning for a single Pomodoro or an entire day as well as what was actually done and any interruptions. The data is stored on a centralized server. A separate web portal needs to provide user and team-wide reports and a team availability display. These should include time spent on tasks as well as a summary of interruptions. Reporting can be extended (If time permits) to productivity reporting which shows time lost to interruptions.

# What constraints do you have? (Like language, frameworks, etc)

* .NET, given our experience.
* Time is a valid constraint though.

# Tooling

Trello for team/task management

Visual Studio 2012 for development

AppVeyor or Bamboo for CI

GitHub for version control

Azure for hosting