

A. Project Name:

- I. Therapy Tracker

B. Project Purpose:

- I. Provide therapists, techs, and directors a way of coordinating
 - a. Create and modify a daily schedule
 - i. If a modification is requested, it will check other schedules to verify
- II. Provide directors a way of checking/entering information
 - a. Check therapists productivity level of day, week, month
 - b. Check patients RUG level (reimbursement status)
 - c. Modify the amount of time a patient will be seen
- III. Allow therapists a way of checking/entering information
 - a. Manually enter in punch in/punch out (including lunch)
 - i. Ideally would like them just press a button when arriving/leaving
 - ii. But if they miss the punch, they can enter it themselves.
 - Which should then be approved by director
 - b. Manually enter time in/time out for patient
 - i. Similar principles to punching in/out
 - ii. A patients RUG information is updated after seeing a patient
 - c. See other available patients if scheduled patient is unavailable
 - i. Will verify potential patients are not currently or won't be seen during new time.
 - ii. Will update all other times to reflect this.
- IV. Allow patients/nurses to provide schedule modifiers
 - a. Preference for times
 - b. Meal times
 - c. Upcoming appointments.

C. Need:

- I. The need for this application is two fold.
 - a. Determining the schedule is often an unnecessary time waste that either falls to the director, tech, or therapist. As a result, resources are wasted in creating the schedule.
 - b. Due to medical condition or other issues, patients are frequently unavailable at scheduled therapy times. The therapists schedule then has to change, which can - and does - result in difficulty continuing a productive day.

D. Potential Benefits:

- I. Reduction in schedule "lulls"
 - a. Improving productivity
- II. Ability to modify minutes on the fly
 - a. Avoiding potential missed RUG check points
- III. Ability for patients to know therapy time
 - a. Patients will be mentally prepared and physically available for treatment
- IV. Dynamic updates
 - a. One change will update for everyone - informing everyone of the schedule change.

E. Potential Difficulties:

- I. Inability to rearrange schedule due to lack of possibilities
- II. Will likely be difficult to develop a method of rearranging schedules
 - a. Expect this necessary feature will take the most time to develop and test.
 - b. If a director modifies the time a patient needs to be seen for, this will have significant implications on schedule.
- III. Need to learn how to use time with C#
- IV. Need to learn to store information
 - a. Storing productivity for a whole month may not be appropriate for a list.
- V. Will likely need a method to have a patient be seen more than once a day
 - a. This should alleviate some issues with scheduling by providing an easy work around. This is a common practice today.
- VI. User error
 - a. Therapists not entering in schedule changes
 - i. At this time, this is difficult to test. This will be simulated by just assuming a patient was unavailable.

F. Potential Bonus Features:

- I. User input for daily notes
- II. Acknowledging and printing alerts for updates
- III. Tracking for notes, special reminders for therapists