**IT PROJECT PROPOSAL**

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| **PROJECT TITLE** | Medical Center Patient and Appointment Tracker | | |
| **SUBMITTED BY** | Jed Leszczynski | **SUBMITTED TO** | Medico Medical Center |
| **PHONE / EMAIL** | jpleszczynski@wolfmail.stritch.edu | **RECEIVER  PHONE / EMAIL** | med\_center@medico.com |
| **DATE  SUBMITTED** | 5/6/2019 | **PROJECTED  START DATE** | 5/01/2019 |

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| **PROJECT SPONSOR** Commissions delivery of and champions project; Provides vision and direction; Accepts responsibility |
| Medico Medical Center |
| **FUNDING SPONSOR** Person / department obtaining budget required |
| Medico Medical Center |
| **PROJECT OWNER** Confirms need for project and validates objectives; Provides specs, monitoring, overall delivery |
| Jed Leszczynski |
| **PROPOSAL FACILITATOR** Proposal preparation support |
| John Doe |

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| **PROJECT NAME AND DESCRIPTION** |
| * Project name: Medical Center Patient and Appointment Tracker * Appointment tracker is a web application that allows to track appointments in a medical center. It allows data input with data validations and stores it in a relational database for future access and extraction. * Project is fully implemented by Jed Leszczynski. Project manager and application developer, Jed Leszczynski is performing the project voluntarily, without compensation. There is no promise of full reliability and integrity of the application. Medical Center Patient and Appointment Tracker is a **test application**. |

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| **PURPOSE / GOALS** Includes problem statement |
| * The purpose of this project is to create a web app for the receptionists to track appointment events in the medical center * As a patient comes in, a computer/web application is needed to keep track of the appointments. Formerly, it was accomplished with an Excel Spreadsheet, but that created a lot of problems with data moving around in emails, formatting errors, not being able to extract data correctly or use it for business analytics * Each time a patient comes in for an appointment it should be recorded in the database. A GUI should be provided for the receptionists to input the data with options of creating, delating or editing appointments, patients, medical procedures. Referral tracking is crucial to estimate how well physicians are contributing to the company * Each appointment should be recorded with patient information such as patient name, id, and address. Each appointment date will have a doctor performing a medical procedure (one out of the different types) for a specific issue (multiple options). An Excel spreadsheet currently used were provided with more specific information. * All the data should be stored in database with potential options of extracting the data for visualizations or business analytics in the future * Medico Medical Center possess database servers locally that could host the appointment tracking system |
| **IMPLEMENTATION** |
| * ASP .NET/ ASP. NET Core stack with be used to implement this application * Application design process will be accomplished using following tools: Microsoft Visual Studio 2019 Community, Draw.io, Notepad++, Microsoft Access, Excel, Word, PowerPoint, Microsoft SQL * SQL Database will have to be designed and populated based on Excel spreadsheets and specific directions provided by the managers of Medico * Knowledge of following technologies is necessary for project implementation: ASP.NET Core, C#, HTML, CSS, Bootstrap, Polish and English language * Project is inspired by Razor Pages Movie example project provided by .NET CORE Developers. This project and community around it should be very resourceful in medical center project implementation. Link: <https://docs.microsoft.com/en-us/aspnet/core/tutorials/razor-pages/razor-pages-start?view=aspnetcore-2.2&tabs=visual-studio> * ASP .NET Web Form application is considered as alternative implementation |

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| **DESIGN MODELS: Entity Relationship, Relational Schema, Use Case** |
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| **Additional Notes** |
| * This project is for a real-life company Medical Center Hetmanska based in Poznan, Poland. Link: <https://centrum-hetmanska.pl/> Company is not comfortable with sharing ALL of its internal information for the sake of Systems Analysis and Design course offered at Cardinal Stritch University. In this project Medical Center Hetmanska exists under fictional name Medico. |