Project Scope

- 1. **Objective**: Develop a prediction model to estimate the likelihood of a user booking a hotel room after visiting the hotel website.
- 2. **Scope**: This project will focus on analyzing user interactions with the hotel website and building a predictive model based on these interactions. The prediction model will be applicable to all types of hotels and users.

3. Feature Selection:

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					arriv	arriv	stay									uire	total		
					al_d	al_d	s_in	stay								d_c	_of_		rese
				arriv	ate_	ate_	_we	s_in					day			ar_	spe	rese	rvati
			arriv	al_d	wee	day	eke	_we		dep			s_in	cust		park	cial	rvati	on_
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- 4. Prediction Model: Regression Model
 - We will using KNeighbourClassifier
 - Regression and other algorithms

5. Validation Strategy:

- Data will be split into training and testing sets for model validation.
- Cross-validation techniques will be employed to ensure model generalizability.

6. Implementation Plan:

- Step 1: Data preprocessing and feature selection
- Step 2: Model development and testing

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