

# DnD5eSpellTracker CRC Cards

Character	
Responsibilities	Collaborations
Know name (String)	
Know classes (String)	
Know level (int)	
know attackBonus (int)	
Know saveDC (int)	
Know what spells it knows	CharacterSpell
Know spell slots character has	SpellSlot
Know if character has spell points	SpellPoints
Know if character has sorcery points	SorceryPoints
Create and Modify Characters	Database

Spell	
Responsibilities	Collaborations
Know name (String)	
Know level (int)	
Know school (Enum?)	
Know castTime (String)	
Know range (String)	
Know isV (bool)	
Know isS (bool)	
Know isM (bool)	
Know materials (String)	
Know duration (String)	
Know isRitual (bool)	
Know isConcentration (bool)	
Know isSave (bool)	
Know saveType (enum w/ null option)	
Know isAttack (bool)	
Know attackType (enum w/ null option)	
Know description (String)	
Know higherLevels (String)	
Know source (String)	
Create Spells	Database

CharacterSpell extends Spell	
Responsibilities	Collaborations
Know isPrepared (bool)	
Know preparedAlways (bool)	

Know isFavorite (bool)	
Know characterNotes (String)	
Create CharacterSpell	
Update CharacterSpell Settings	

SpellSlot	
Responsibilities	Collaborations
Know level	
Know used (bool)	
Know usedFor (CharacterSpell)	CharacterSpell
Create SpellSlot	Character
Create SpellSlot using Points	PointsInterface
Modify SpellSlot	

Points (abstract) implements PointsInterface	
Responsibilities	Collaborations
Know pointsMax	Database
Know pointsCurrent	
Know points to slot conversion	SpellSlot
Be able to modify self	PointsInterface

PointsInterface (interface)	
Responsibilities	Collaborations
Set max	Points
Add 1	Points
Subtract 1	Points
Add X	Points
Subtract X	Points
Trade Points for Slot	SpellSlot, SpellPoints, SorceryPoints
Trade Slot for Points (Sorcery Only)	SpellSlot, SorceryPoints

SpellPoints extends Points	
Responsibilities	Collaborations

SorceryPoints extends Points	
Responsibilities	Collaborations
Know Slot to Points conversion.	PointsInterface, SpellSlot