@startuml

top to bottom direction

skinparam Linetype ortho

skinparam shadowing false

skinparam objectFontSize 18

scale max 1600 width

title Domain Model RUP Management

object project

object phase

object team

object iteration

object activity

object inception

object elaboration

object construction

object transition

object DisciplineRequirements

object domainModel

object role

object discipline

object member

object artifact

object AnalyzeArchitecture

object AnalyzeUseCases

object AnalyzeClasses

object AnalyzePackages

object DesignArchitecture

object DesignClass

object DesignUseCase

object DesignSubsystems

object DisciplineAnalysis

object DisciplineDesign

object FindActorsAndUseCases

object PrioritizeUseCases

object DetailUseCases

object PrototypeUI

object StructureUseCaseModel

object NonFuncionalRequirements

object ImplementArchitecture

object IntegrateSystems

object ImplementClass

object ImplementSubsystem

object UnitTesting

phase <|-[#374F6B]- inception

inception \*-d- DisciplineRequirements

DisciplineRequirements \*-- FindActorsAndUseCases

DisciplineRequirements \*-- PrioritizeUseCases

DisciplineRequirements \*-- StructureUseCaseModel

DisciplineRequirements \*-- DetailUseCases

DisciplineRequirements \*-- PrototypeUI

phase <|-[#374F6B]- elaboration

phase <|-[#374F6B]- construction

phase <|-[#374F6B]- transition

project "1" \*-- "1" inception

project "1" \*-- "1" elaboration

project "1" \*-- "1" construction

project "1" \*-- "1" transition

project \*-- team

team "1" \*-- "N" member

role <|-[#374F6B]- member

discipline "1" \*-- "1" role

discipline "1" \*-- "N" activity

discipline <|-- DisciplineRequirements

discipline <|-- DisciplineAnalysis

discipline <|-- DisciplineDesign

DisciplineRequirements --> domainModel : Require

project \*-- domainModel

inception --> elaboration : Next

elaboration \*-- DisciplineAnalysis

DisciplineAnalysis --> DisciplineDesign : Next

DisciplineAnalysis \*-- AnalyzeArchitecture

AnalyzeArchitecture \*-- NonFuncionalRequirements

AnalyzeArchitecture --> domainModel : require

AnalyzeArchitecture --> StructureUseCaseModel : Require

DisciplineAnalysis \*-d- AnalyzeUseCases

DisciplineAnalysis \*-d- AnalyzeClasses

DisciplineAnalysis \*-d- AnalyzePackages

AnalyzeUseCases --> AnalyzeArchitecture : Next

AnalyzeClasses --> AnalyzeUseCases : Next

AnalyzePackages --> AnalyzeClasses : Next

elaboration \*-- DisciplineDesign

DisciplineDesign \*-d- DesignArchitecture

DisciplineDesign \*-d- DesignClass

DisciplineDesign \*-d- DesignUseCase

DisciplineDesign \*-d- DesignSubsystems

DesignArchitecture --> DesignClass : Next

DesignArchitecture --> DesignUseCase : Next

DesignUseCase --> DesignClass : Next

DesignClass --> DesignSubsystems : Next

DesignUseCase --> DesignSubsystems : Next

elaboration --> construction : Next

construction \*-d- ImplementArchitecture

construction \*-d- IntegrateSystems

construction \*-d- ImplementClass

construction \*-d- ImplementSubsystem

construction \*-d- UnitTesting

ImplementArchitecture --> IntegrateSystems: Next

IntegrateSystems --> ImplementClass : Next

IntegrateSystems --> ImplementSubsystem : Next

ImplementClass --> UnitTesting : Next

ImplementSubsystem --> UnitTesting : Next

ImplementSubsystem --> ImplementClass : Next

construction --> transition: Next

phase "1" \*-- "N" iteration

iteration "1" \*-- "N" activity

member --\* activity

activity --> artifact : Create or modify

FindActorsAndUseCases --> PrioritizeUseCases : Next

PrioritizeUseCases --> DetailUseCases: Next

DetailUseCases --> PrototypeUI: Next

DetailUseCases --> StructureUseCaseModel: Next

iteration : N days interval

activity : estimated time

activity : real time

activity : status

@enduml