

APPLICATION TRADE ME

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**ARCHITECTURE LOGICIELLE**

## TRADE ME

- ▶ Plateforme pour trouver des **ouvriers qualifiés** (électricien, maçon, plombier, charpentier, etc) pour intervenir sur des **projets de construction**
- ▶ Des **prestataires** emploient des **ouvriers qualifiés** sur quelques jours ou quelques semaines pour des **tâches spécifiques**
- ▶ Les ouvriers peuvent **venir et partir** sur un même projet

## TRADE ME

- ▶ La plateforme permet aux ouvriers qualifiés de s'enregistrer, d'afficher leurs **compétences**, leur **zone géographique** de disponibilité et leur **taux journalier**
  - ▶ Ils ne peuvent être employés directement sans un prestataire de service
- ▶ Certaines tâches peuvent exiger des **certificats d'aptitudes**

## TRADE ME

- ▶ La plateforme permet aux prestataires de s'enregistrer et lister leurs **projets**
- ▶ Pour chaque projet, il est spécifié les **métiers** et les **compétences** requises, la **localisation**, les **taux journaliers** qu'il souhaite payer, la **durée** d'engagement, etc

# USE CASE

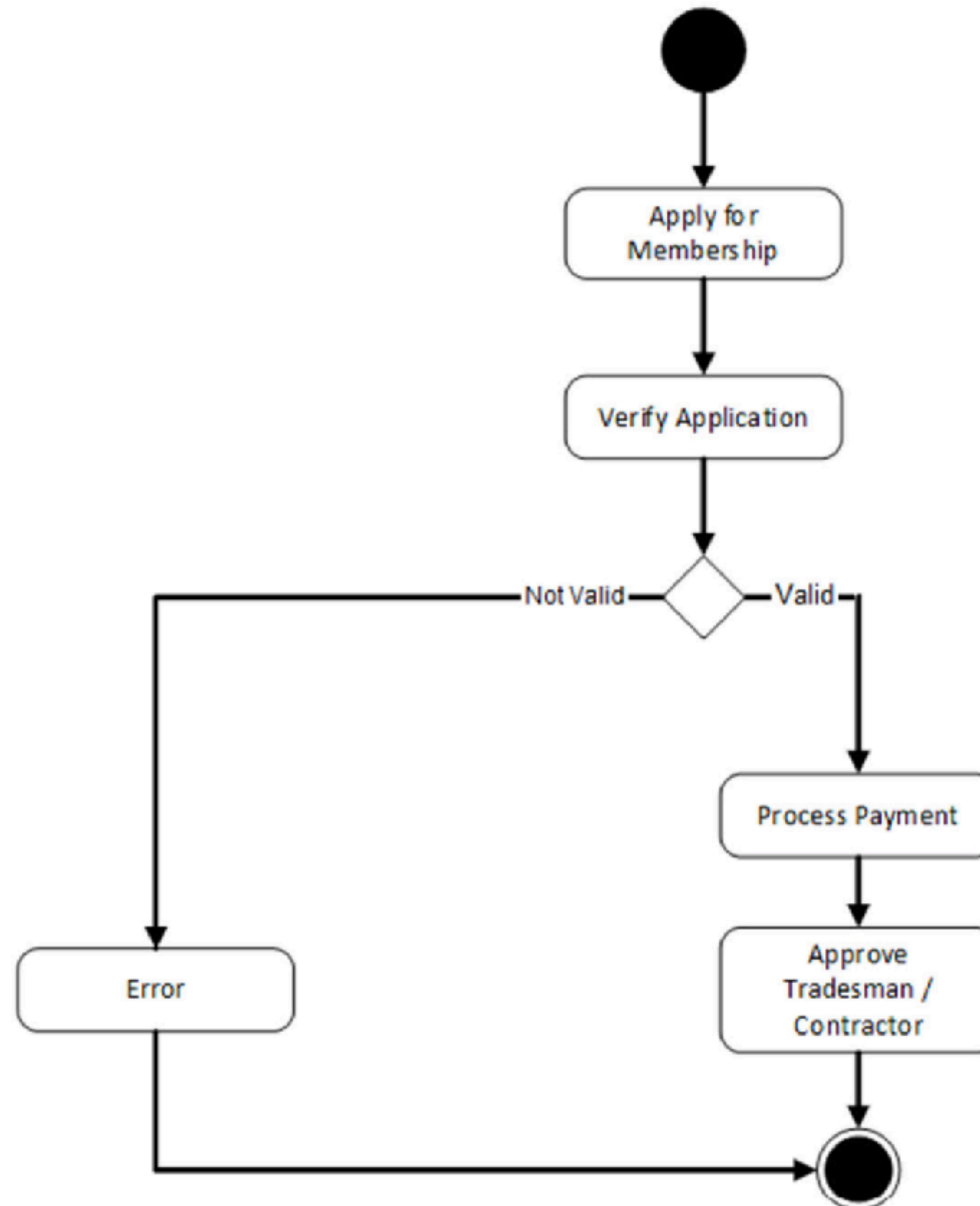


Figure 1: Add Member use case

# USE CASE

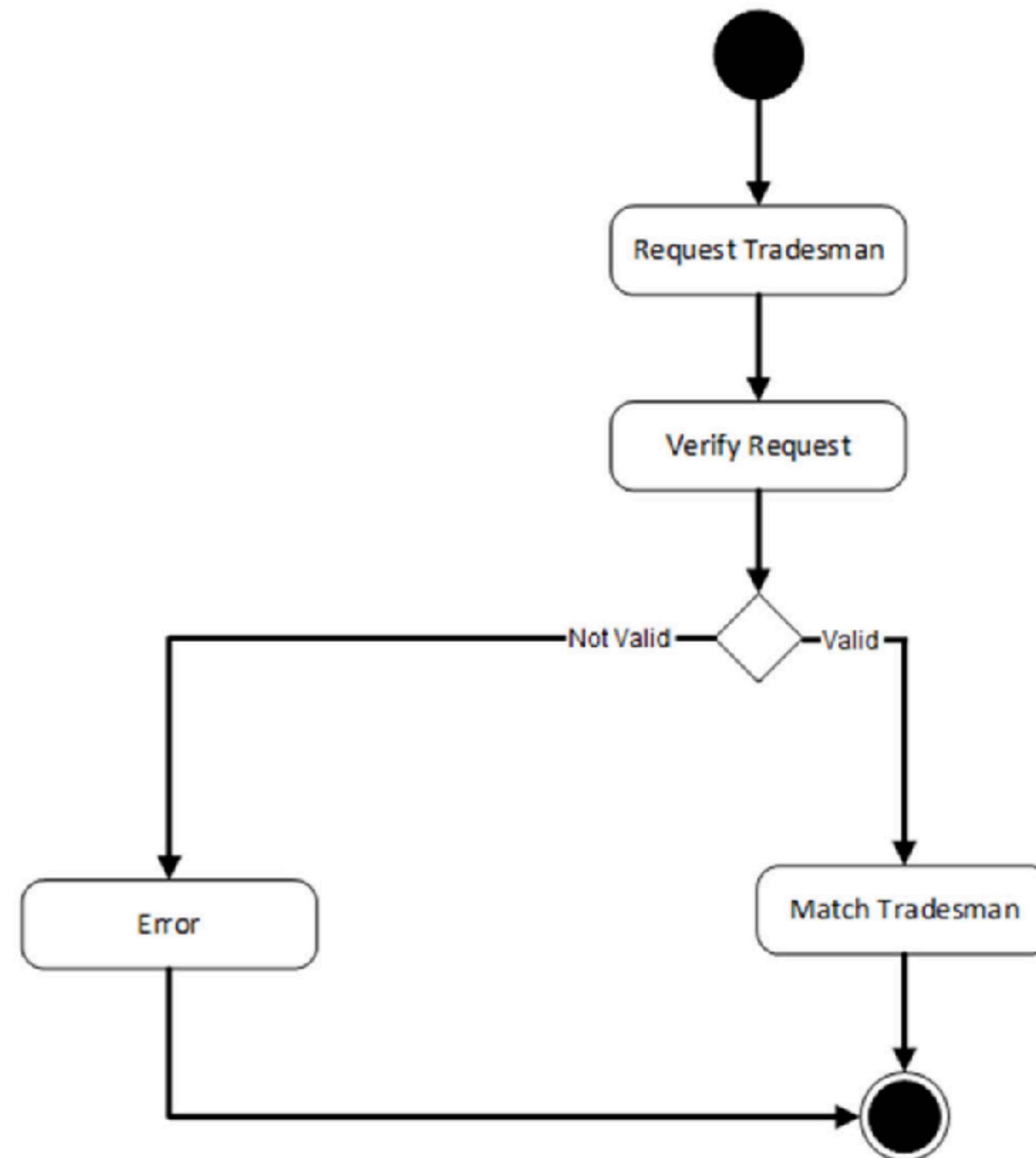


Figure 2: Request Tradesman use case

# USE CASE

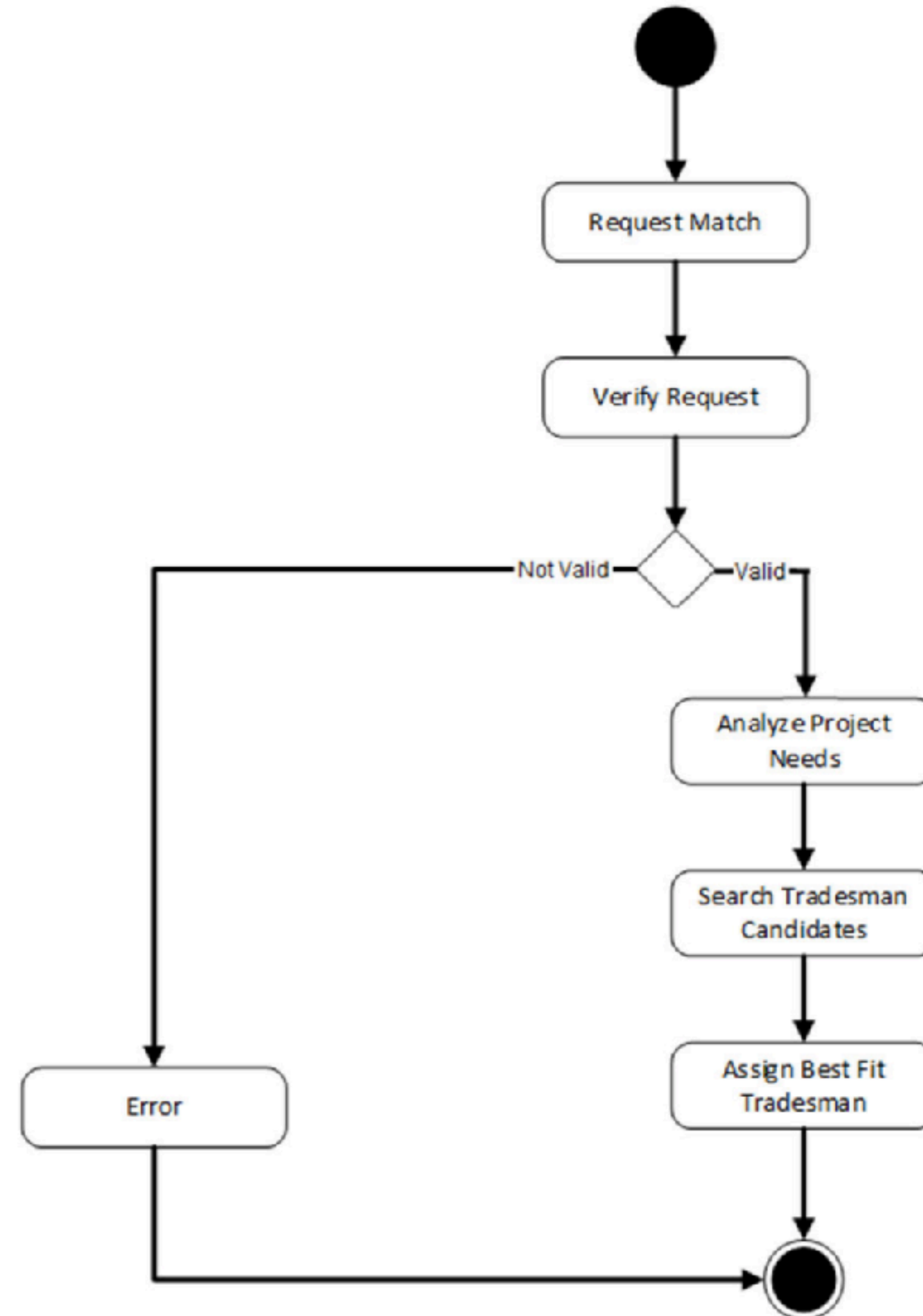


Figure 3: Match Tradesman use case

# USE CASE

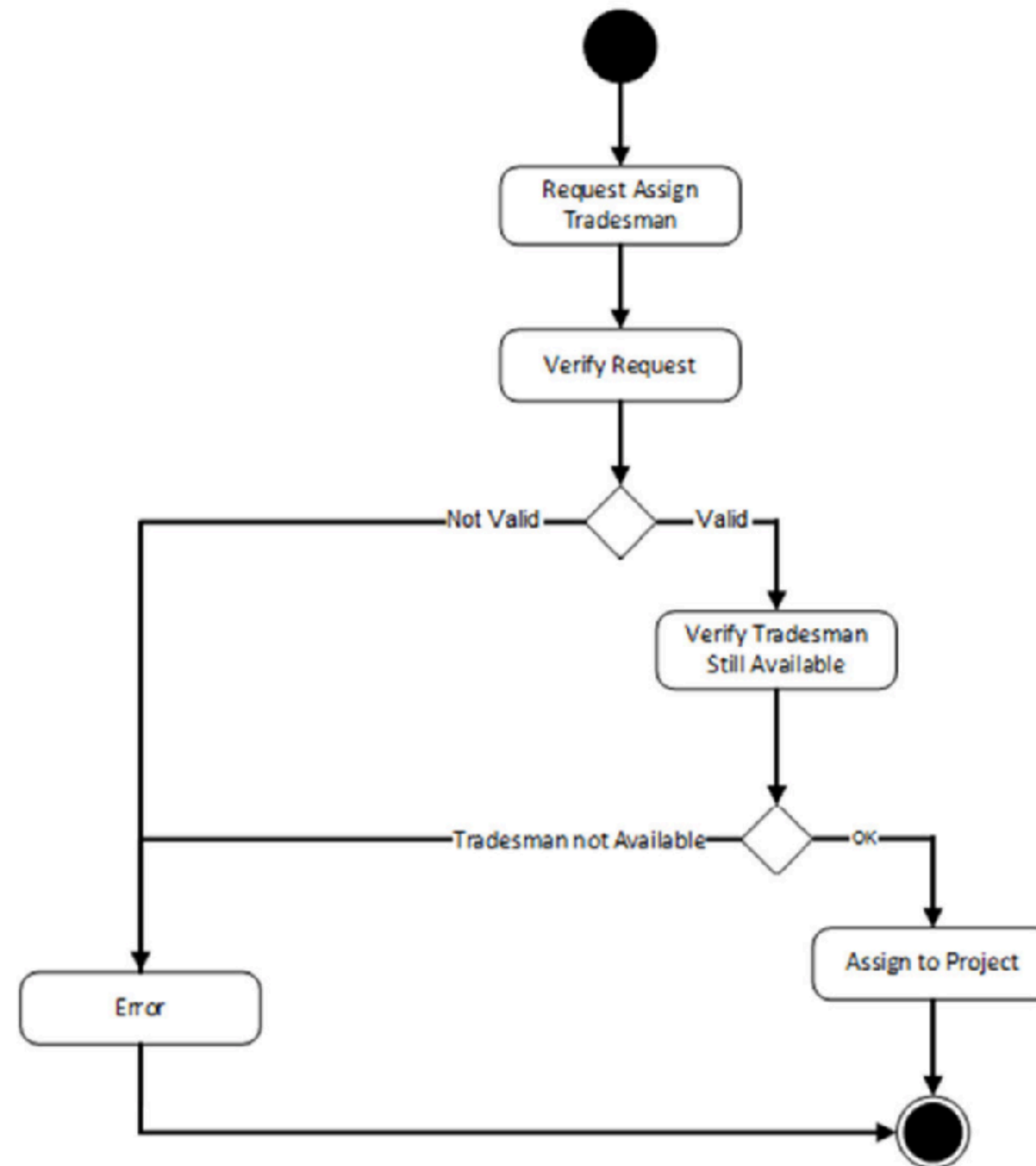


Figure 4: Assign Tradesman use case



# USE CASE

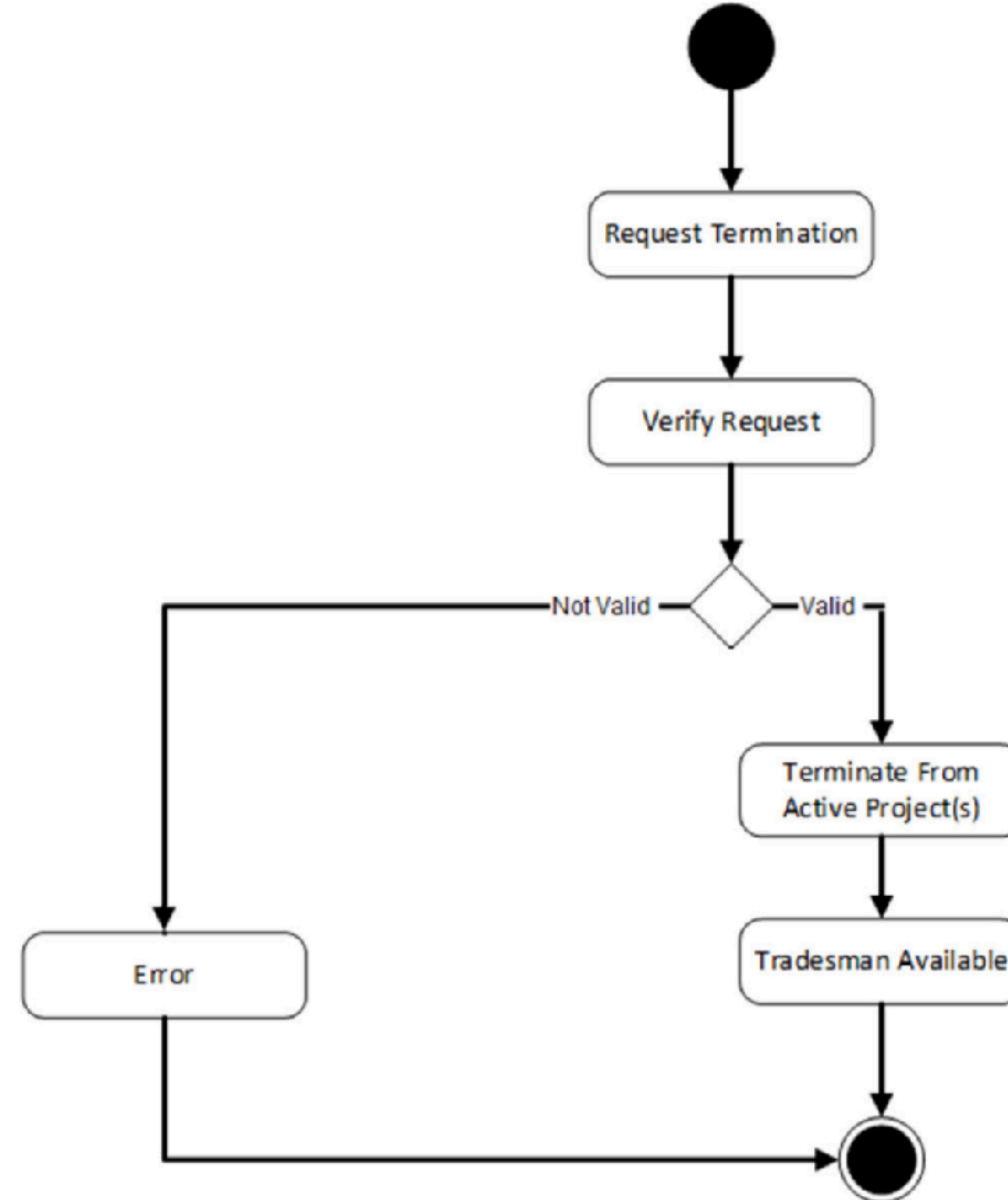


Figure 5: Terminate Tradesman use case

## USE CASE

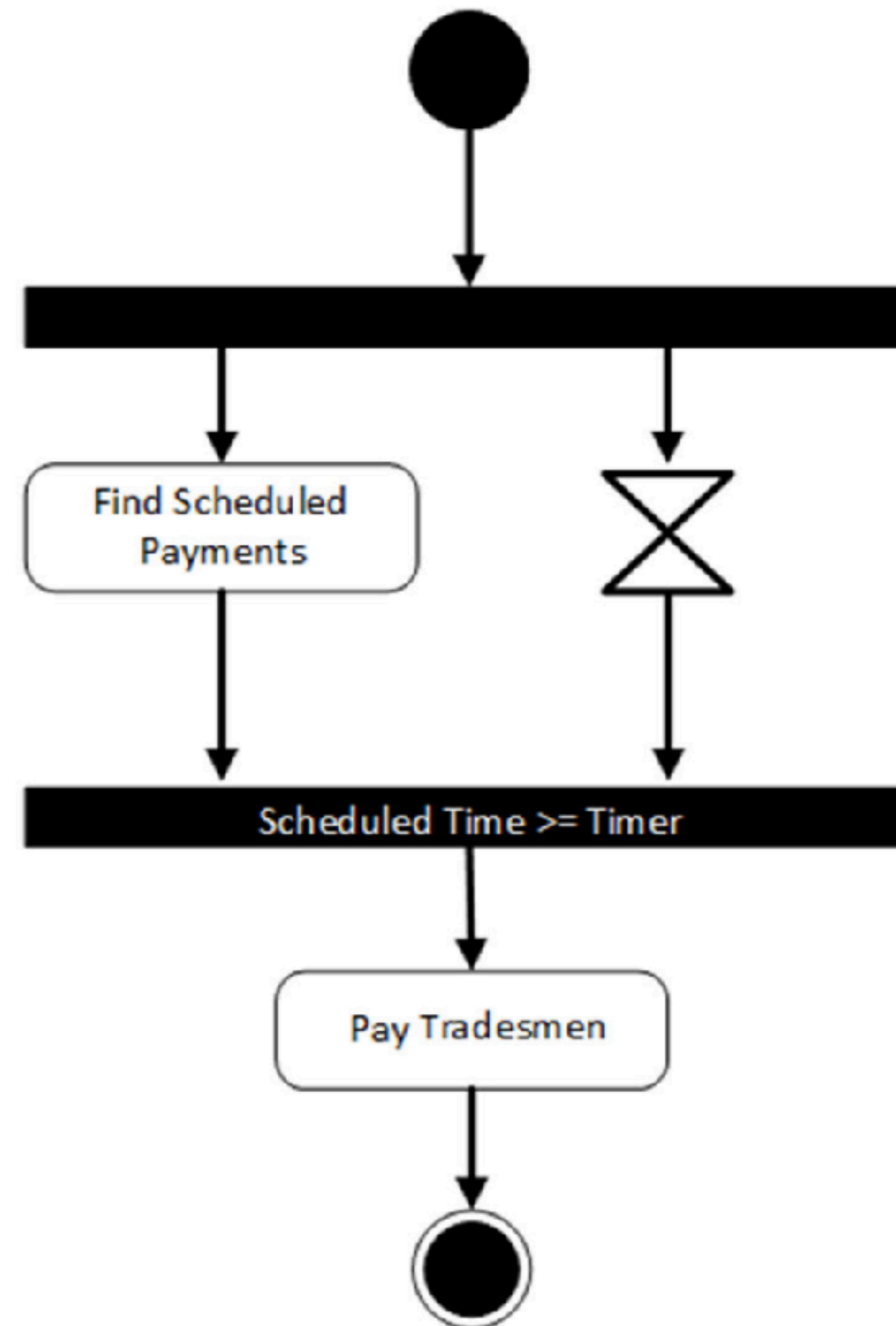


Figure 6: Pay Tradesman use case

# USE CASE

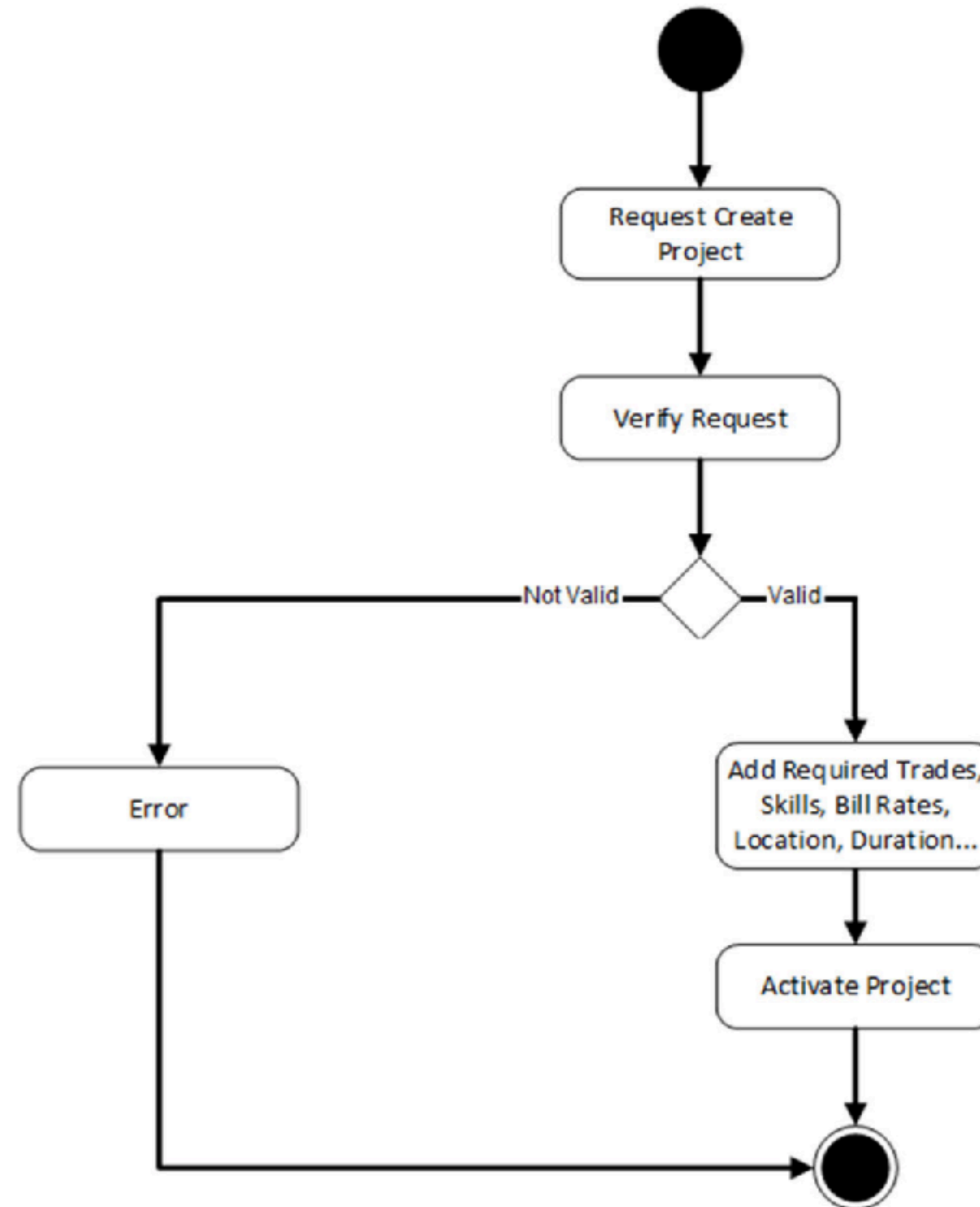


Figure 7: Create Project use case

# USE CASE

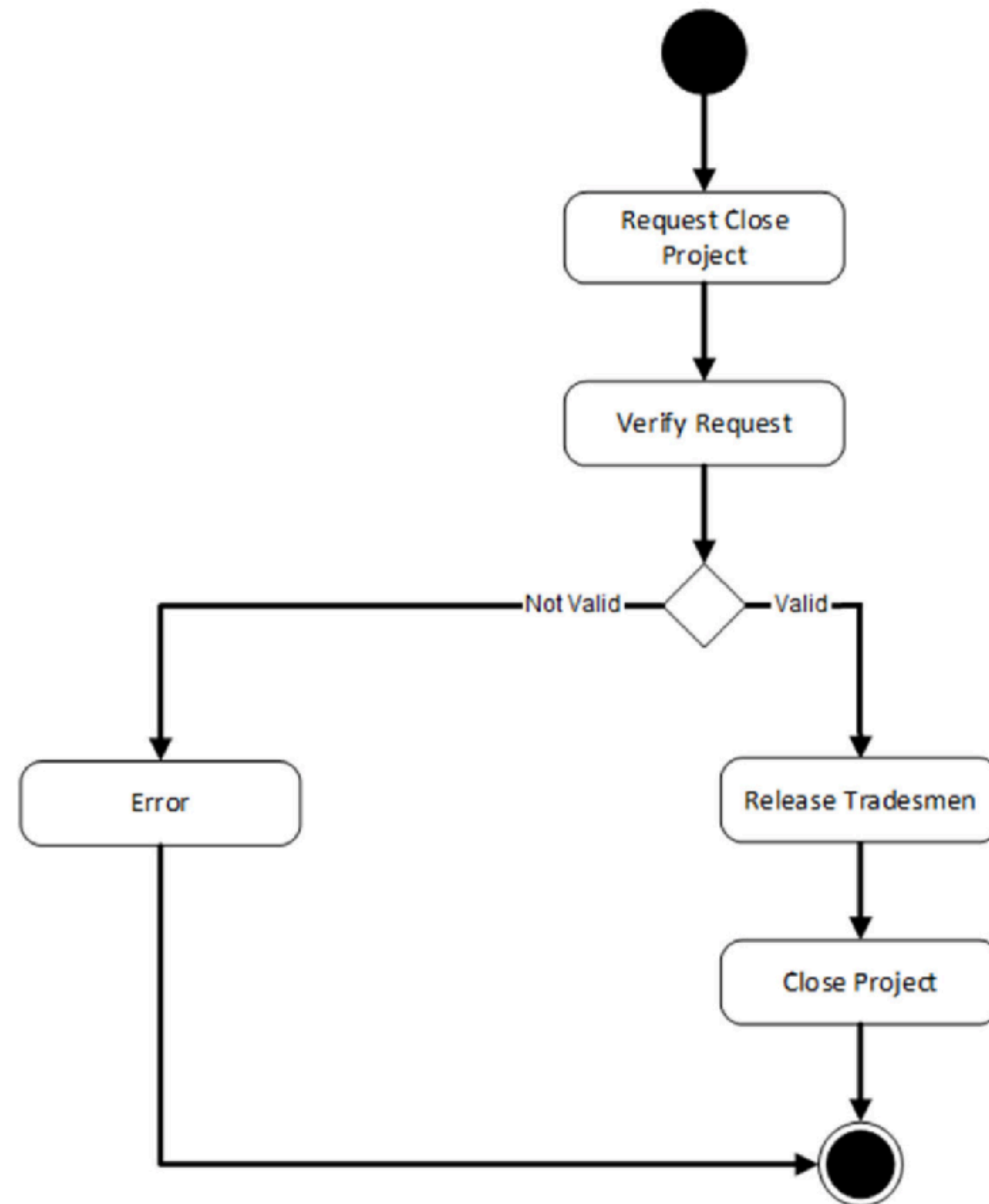


Figure 8: Close Project use case

# USE CASE

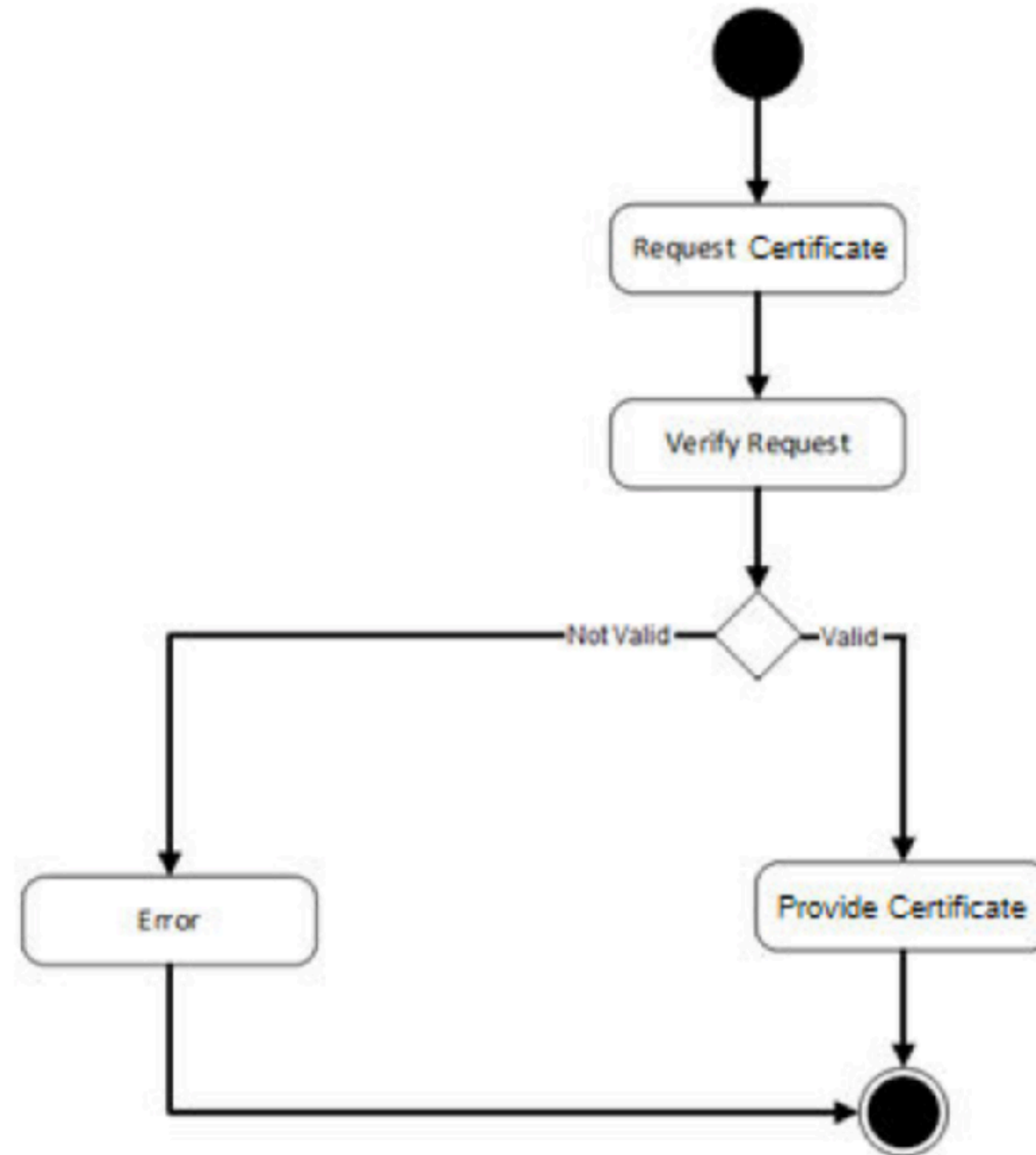


Figure 9: Request Education Certificate use case

# STATIC ARCHITECTURE

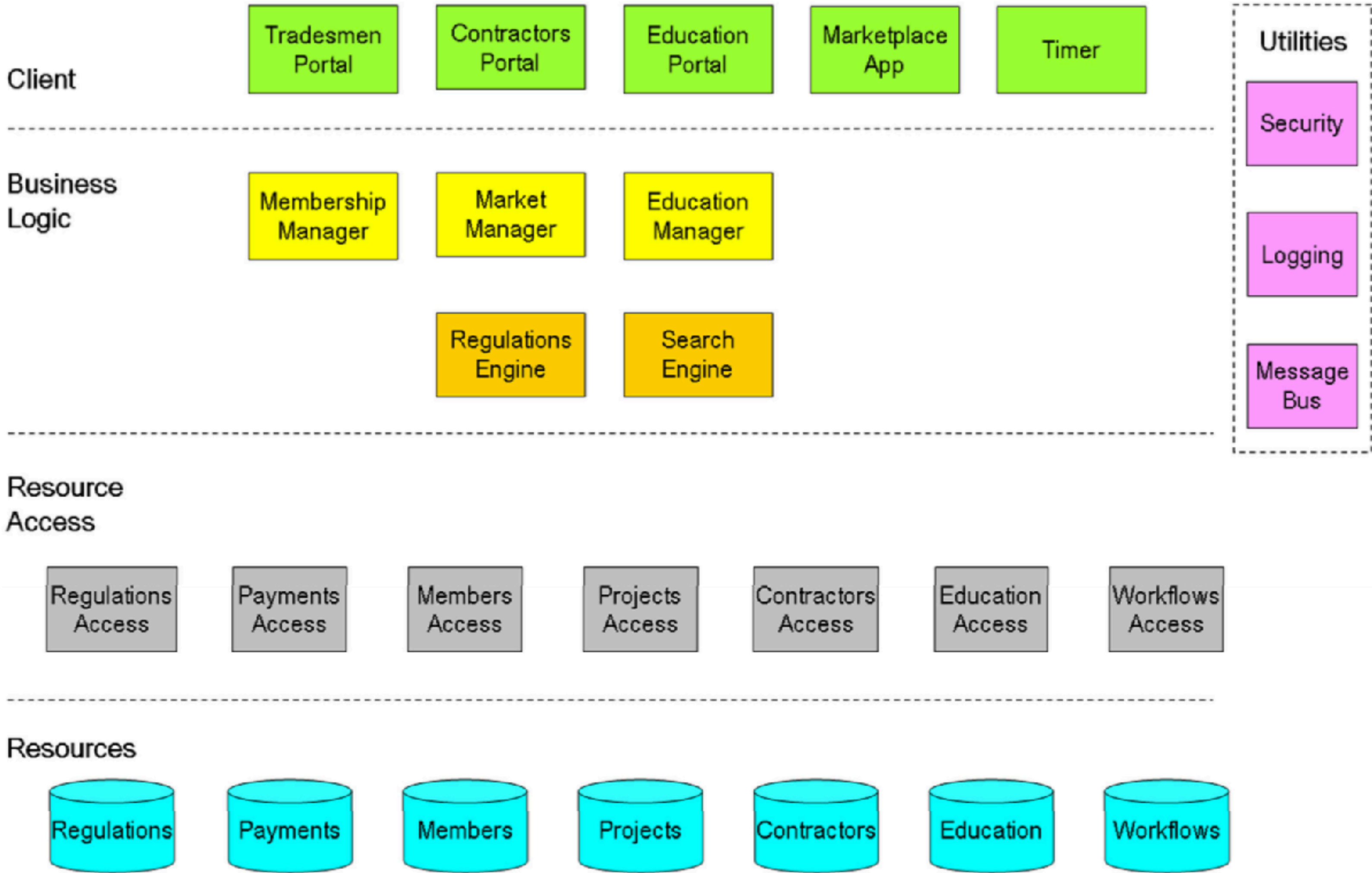


Figure 11: Static Architecture

# STATIC ARCHITECTURE

- ▶ Market Manager
  - ▶ Fees
  - ▶ Projects
  - ▶ Search Criteria

# STATIC ARCHITECTURE

- ▶ Membership Manager
  - ▶ Disputes
  - ▶ Users
- ▶ Education Manager
- ▶ Security Utility



## STATIC ARCHITECTURE

- ▶ Regulations engine
  - ▶ Regulations
  - ▶ Reporting/Auditing
- ▶ Search Engine
- ▶ Resource Access Services
- ▶ Resource Layer Services

# DESIGN VALIDATION

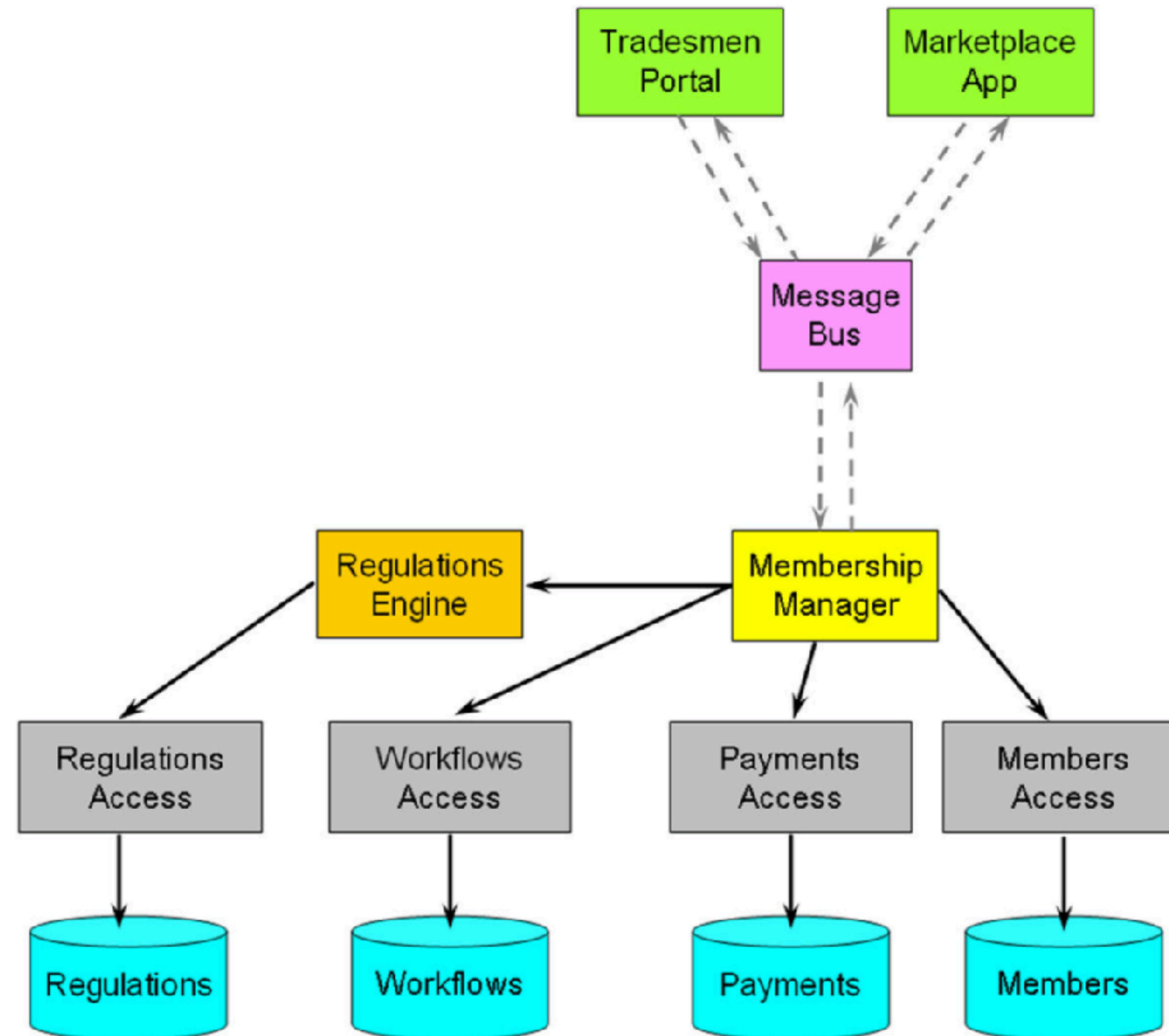


Figure 12: Add Member call chain

# DESIGN VALIDATION

## Request Tradesman Call Chain

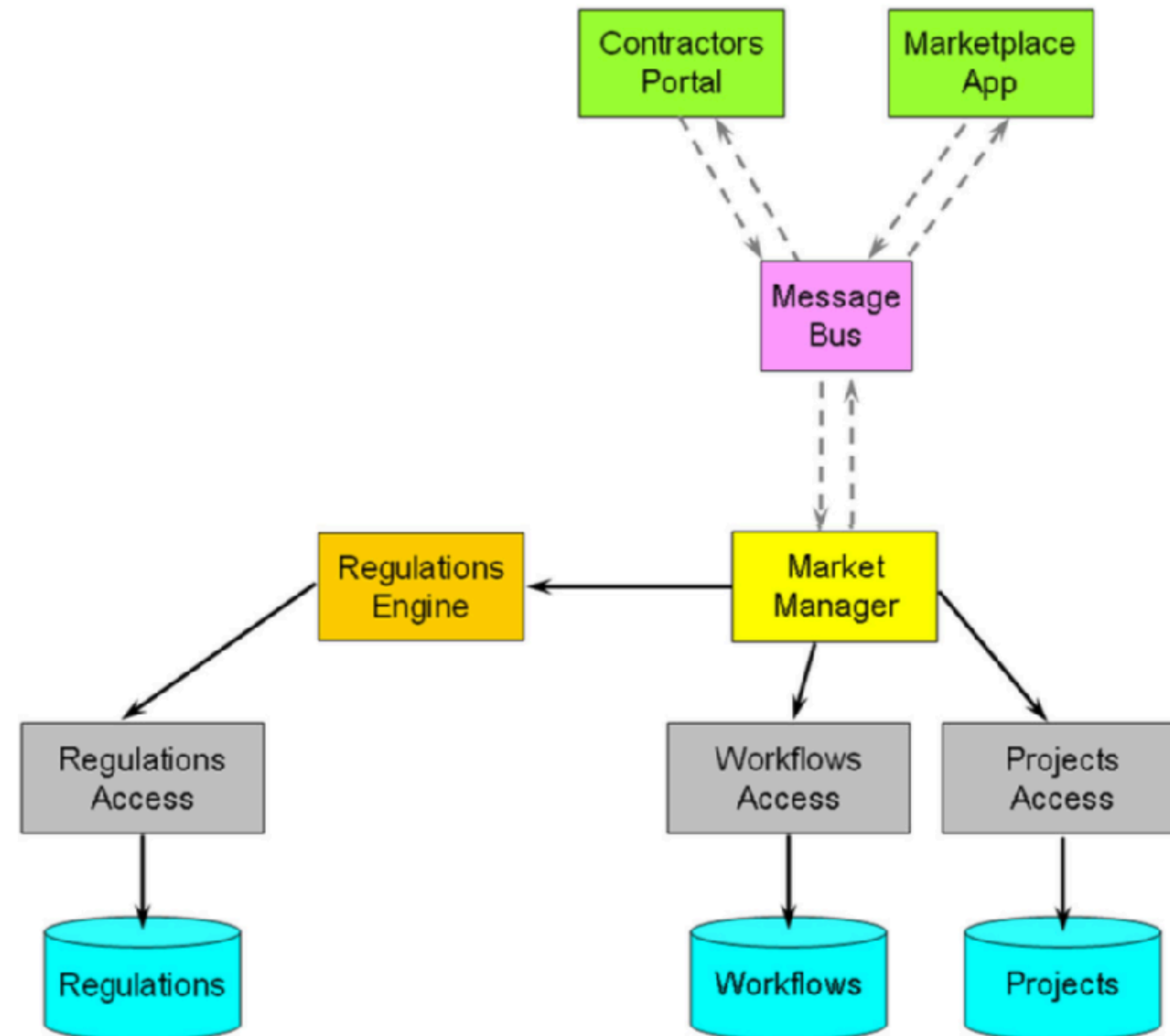


Figure 13: Request Tradesman call chain

# DESIGN VALIDATION

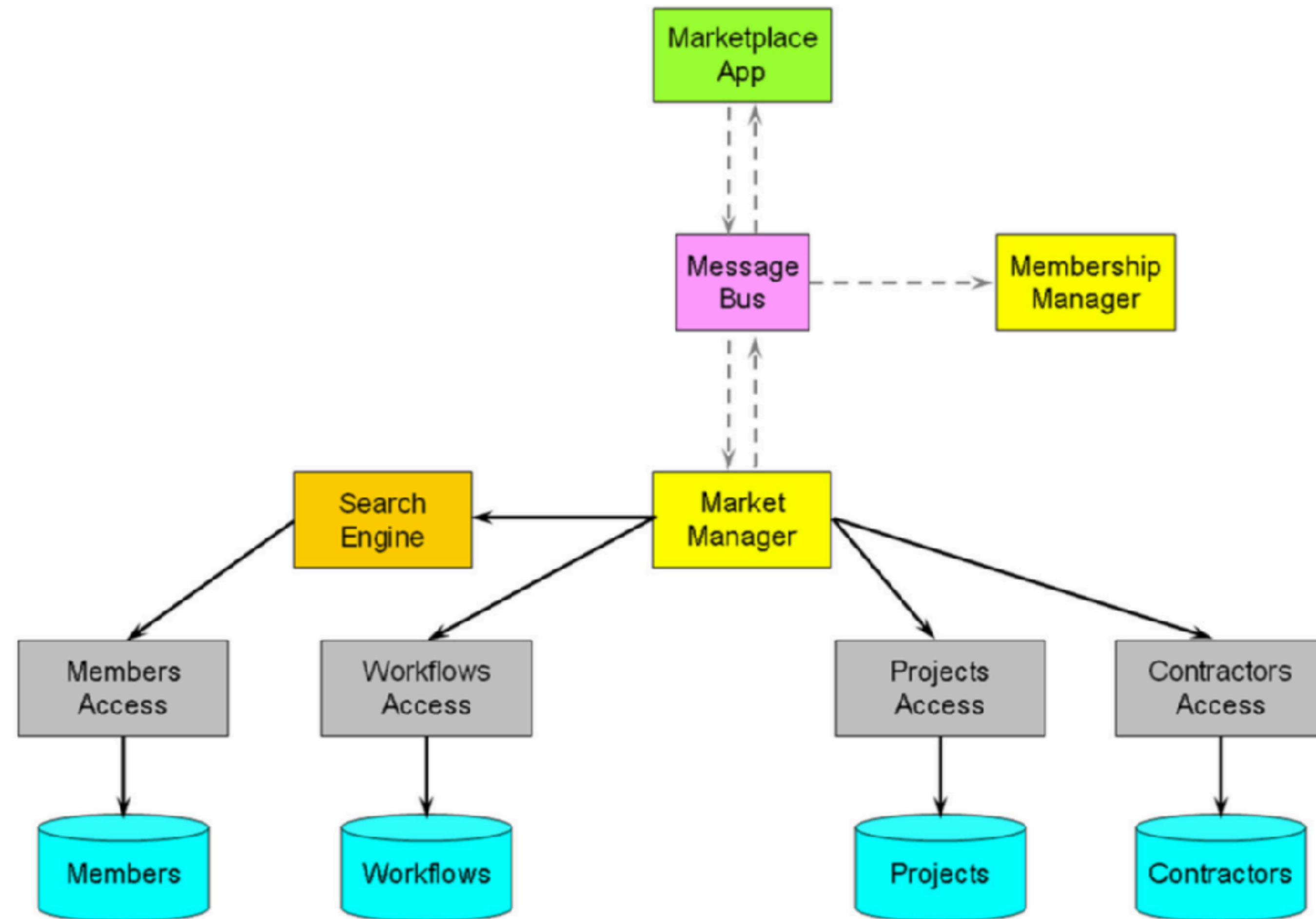


Figure 14: Match Tradesman call chain

DESIGN VALIDATION

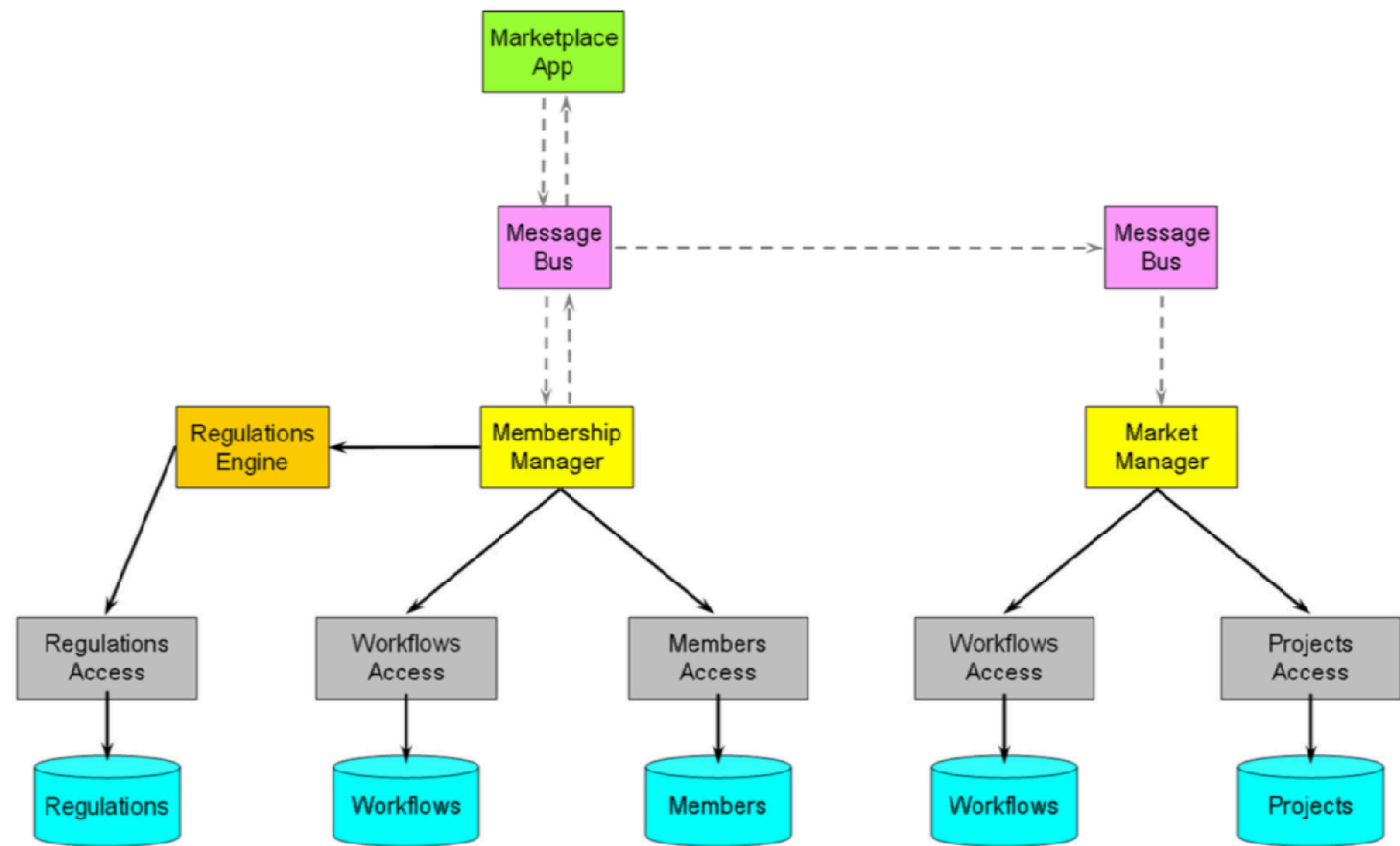


Figure 15: Assign Tradesman call chain



DESIGN VALIDATION

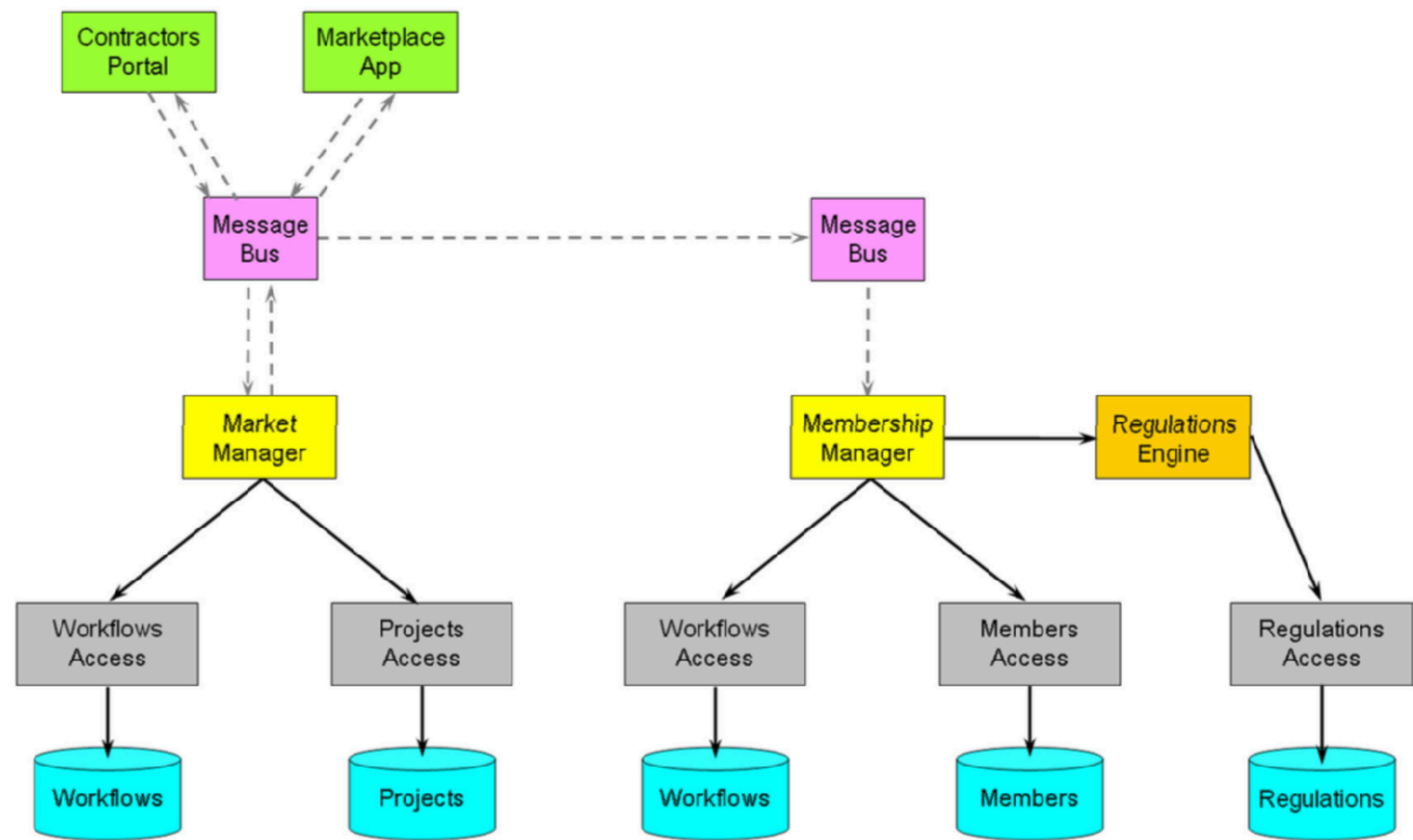


Figure 16: Terminate Tradesman call chain

# DESIGN VALIDATION

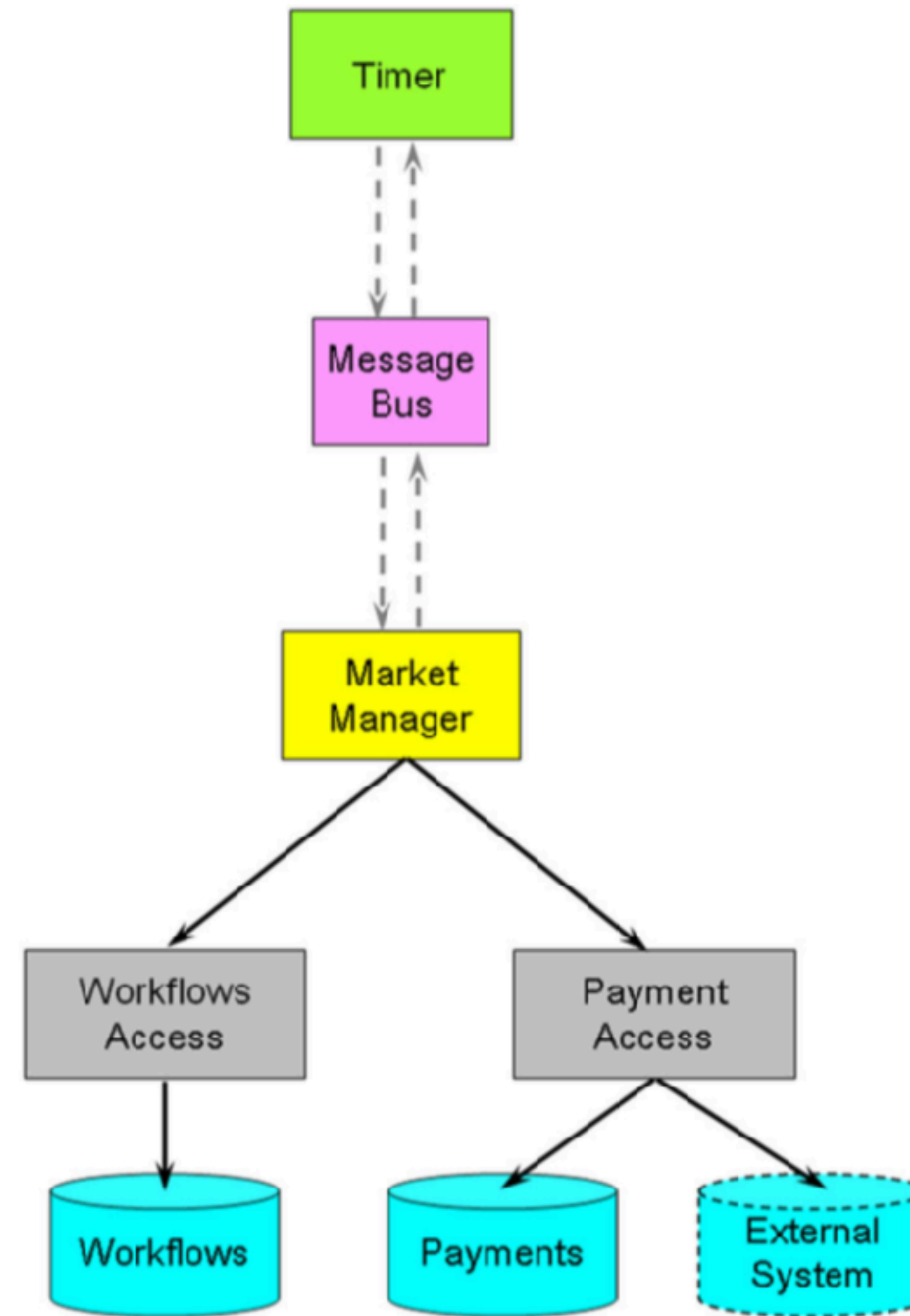
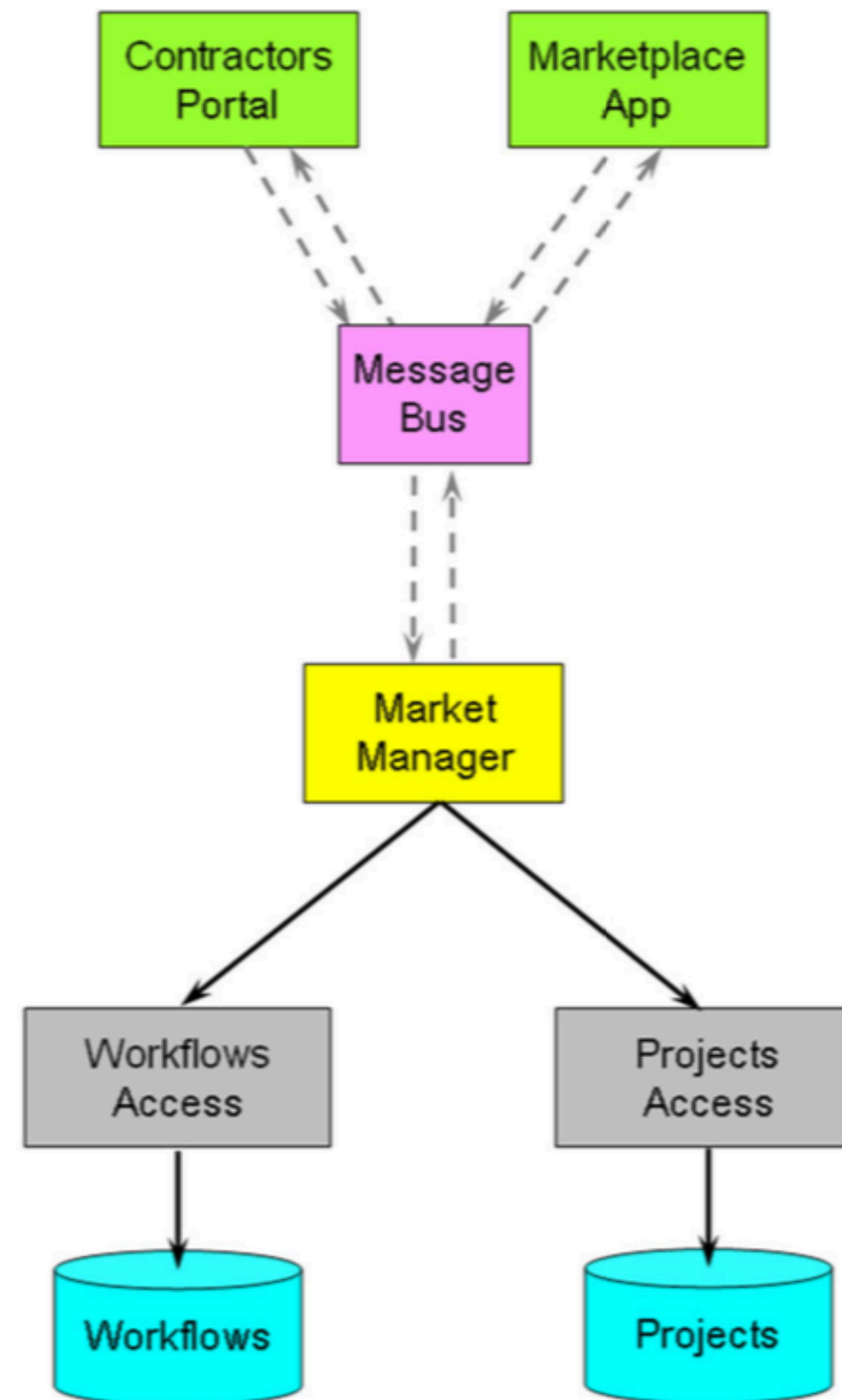


Figure 17: Pay Tradesman call chain

# DESIGN VALIDATION



**Figure 18: Create Project call chain**



DESIGN VALIDATION

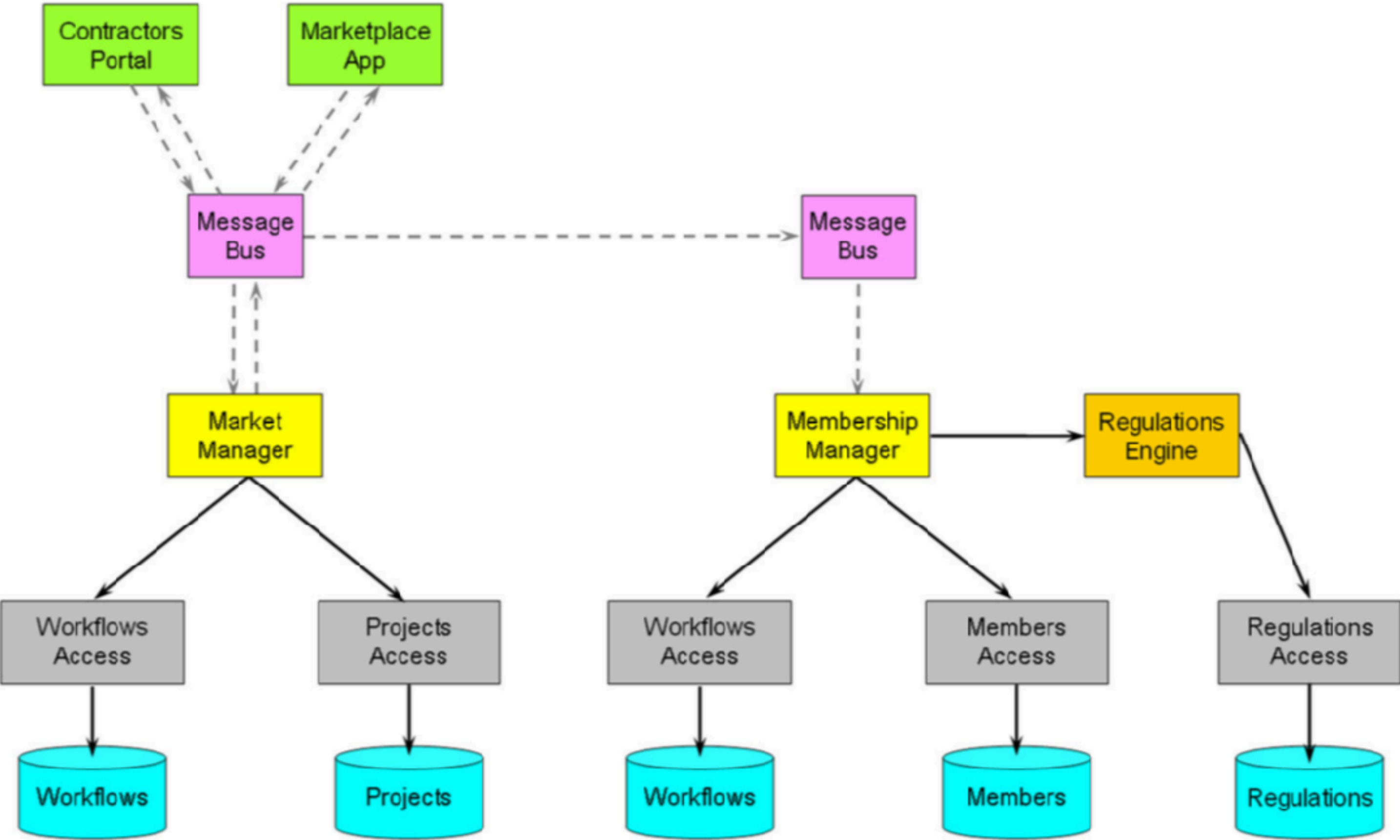


Figure 19: Close Project call chain

# DESIGN VALIDATION

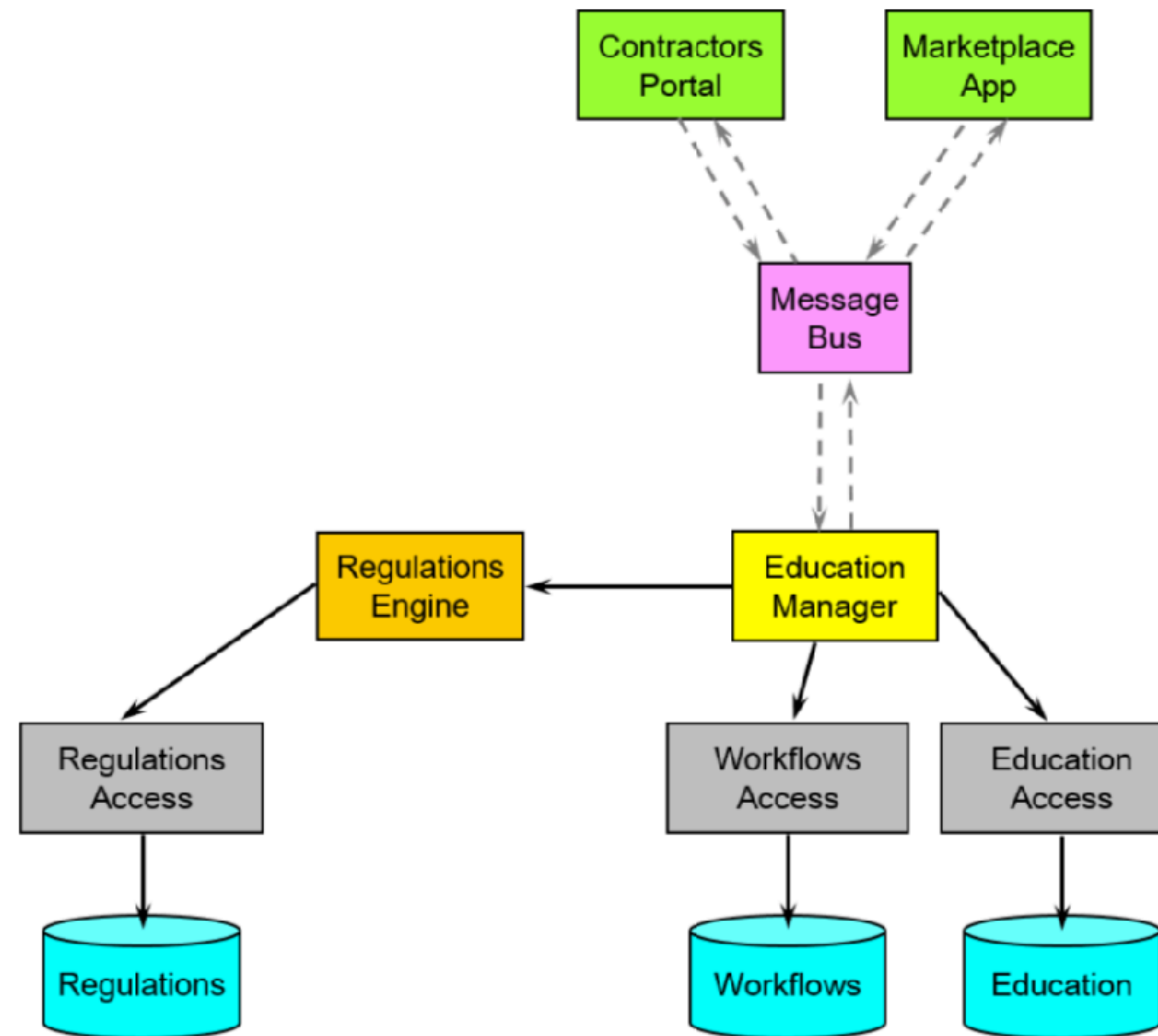


Figure 20: Request Education Certificate call chain