**System Analysis and Design - Group Project**

**CeyGem.Com**

**Online Gem Advertising Platform**

# **Requirement Statement**

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| **Name of the Project** |
| **CeyGem.Com - Online Gem Advertising Platform** |

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| **Group label** |
| **CeyNet (Pvt) Ltd.** |

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| **Group Members** |
| * **H.W. Sandaru Priyashan** * **K.M. Sarasi Rasala** * **K.B.G. Nikini Prarthana** |

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| **Brief description about the Solution** |
| **CeyGem.com is an online gem advertising platform dedicated to Sri Lanka. It allows certified gem sellers to list gemstones with images and certificates, while buyers can easily browse, filter, and contact sellers. Admins and moderators ensure listing quality and platform safety. The platform does not handle payments buyers connect directly with sellers for inquiries and purchases.** |

**User Requirements :**

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| **User Name** | **List of Requirements** |
| **Admin** | **Manage all users (approve/block/delete - sellers, buyers and moderators).** |
| **View platform wide reports (total gems listed, active sellers, etc.).** |
| **View and manage all listed gems.** |
| **Assign roles (upgrade seller to moderator, etc.).** |
| **Delete or edit any gem listing.** |
| **Send system wide announcements.** |

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| **User Name** | **List of Requirements** |
| **Moderator** | **Approve or reject gem listings submitted by sellers.** |
| **Verify gem certificates uploaded by sellers.** |
| **Flag and remove inappropriate content.** |
| **View reports on seller activity.** |
| **Communicate with sellers for listing improvements.** |

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| **User Name** | **List of Requirements** |
| **Seller** | **Register and verify identity and gem certification.** |
| **Add new gem listings with: Gem images (multiple), Description, type, size, color, Certificate image or PDF, Contact information (phone/email)** |
| **Edit or delete their listings.** |
| **View buyer messages/inquiries.** |
| **Manage their profile and contact details.** |
| **View listing status (Pending/Approved/Rejected).** |

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| **User Name** | **List of Requirements** |
| **Buyer** | **Register/login (optional guest view for browsing).** |
| **Browse/search/filter gems by type, size, price, location.** |
| **View gem details and certificate.** |
| **Contact seller via provided contact info.** |
| **Save favorite listings (if registered).** |
| **Report suspicious listings or sellers.** |