**Required CRC cards for Milestone 2**

**CRC cards for Frontend**

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| **AppComponent** | |
| **Responsibility** | **Collaborators** |
| * Coordinates other components to run the website | * AdminComponent * AuthComponent * CatalogComponent * ErrorComponent * HomeComponent * SignupComponent * UserAccountComponent * UserLoginComponent |

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| **CatalogComponent** | |
| **Responsibility** | **Collaborators** |
| * Displays all product which are marked as visible on the market * Displays the products based on filter chosen by the user | * DashboardComponent * AdminRoutingComponent |

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| **AdminComponent** | |
| **Responsibility** | **Collaborators** |
| * Manges the components regarding the admin * Handles the routing regarding the admin user * Prevents unauthorized user access | * DashboardComponent * AdminRoutingComponent |

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| **AdminDashboard** | |
| **Responsibility** | **Collaborators** |
| * Provides the admin with all functionality he needs | * AdminComponent * DashboardProductListComponent |

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| **DashboardProductListComponent** | |
| **Responsibility** | **Collaborators** |
| * Provides all the products currently in the database * Let’s the administrator change the approval status of a product * Let’s the admin filter regarding the approval status | * AdminDashboardComponent * DashbboardProductList |

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| **Product** | |
| **Responsibility** | **Collaborators** |
| * Contains all the information a product has | * DashboardProductListComponent |

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| **ProductsService** | |
| **Responsibility** | **Collaborators** |
| * Get all the products from the database | * ProductController * All components where it is injected |

CRC Cards for Backend

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| **User** | |
| **Responsibilities** | **Collaborators** |
| * Define User Attributes * User Login * User Registration | * Product * Login * Purchase |

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| **Login** | |
| **Responsibilities** | **Collaborators** |
| * Login-Response   + User   + Token   + message * Login-Request   + username   + password | * User |

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| **Purchase** | |
| **Responsibilities** | **Collaborators** |
| * Wallet operations:   + Purchase operation   + Decreement buyer wallet   + Increement seller wallet   + Check for enough points * Wallet attributes | * Product * User |

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| **Product** | |
| **Responsibilities** | **Collaborators** |
| * Product Attributes * Add Product * Remove Product * Edit Porduct | * User * Purchase * Catalog * Admin |

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| **Admin** | |
| **Responsibilities** | **Collaborators** |
| * Admin Attributes * Approval Products * Manage Product list | * Admin (frontend) * Product * Login |

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| **Access** | |
| **Responsibilities** | **Collaborators** |
| * Secure Log-in * Secure Endpoint | * Login * User |

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| **Check** **Registration** | |
| **Responsibilities** | **Collaborators** |
| * Check for unique Username * Check for unique E-Mail | * User |